Volume 163 No. 3

Oil, Paint and Drug Reporter

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January 19 1953

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Oil, Paint and Drug Reporter

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Lead Pigment Makers Target of FTC Attack

Major companies in the lead pigment field were placed under a cease and desist order by the Federal Trade Commission January 15 to discontinue pursuance of any common course of action for the purpose of fixing prices or restraining competition in the sale or distribution of lead pigments.

The order was issued against the National Lead Company, Anaconda Copper Mining Company and International Smelting & Refining Company, all of New York; the Eagle-Picher Company and Eagle-Picher Sales Company, both of Cincinnati, and Sherwin-Williams Company and Glidden Company, both of Cleveland. In the same action the commissioner restrained the National Lead Company from further strengthening its relative position in the lead pigments industry through the acquisition of any interest of ownership or control of any competitive firm engaged in the manufacture or in the sale of lead pigments.

The six respondents individually were ordered to cease from quoting or selling lead pigments at prices calculated or determined in accordance with a zone delivered price system for the purpose or with the effect of systematically matching the delivered price quotations or the delivered prices of other sellers of lead pigments and thereby preventing purchasers from finding any advantages in price in dealing with one or more sellers against another.

Zone Prices Affected

They were further ordered to cease and desist from allegedly discriminating in the price of lead pigments of like grade and quality:—

1. By selling lead pigments at different zone delivered prices to purchasers located in different territorial zones when such purchasers are in competition with one another in the resale or distribution of the products either as lead pigments or as components of other products.

2. By selling lead pigments to purchasers competing in their sale or distribution, either as lead pigments or as components of other products at different prices which vary according to the quantity in which the products are sold or delivered, except at such differentials as were not shown to have resulted in adverse competitive effects or as were shown to have been justified on the basis of differences in the cost of manufacture, sale or delivery resulting from the differing

—Continued on page 37

OPS Chemicals Division Now Headed by Pruitt

Sidney T. Pruitt, jr., Chicago regional manager for the Ethyl Corporation of America, has been appointed director of the rubber, chemicals, drugs and fuels division of the Office of Price Stabilization. Mr. Pruitt succeeds E. Edgar Fogle, director of the division since June, 1952, who has returned to the Carbide & Carbon Chemical Company, a division of the Union Carbide & Carbon Corporation, New York, where he is assistant sales manager.

Mr. Pruitt has been associated with the Ethyl Corporation since 1930, with the exception of four years' military service. He was formerly assistant division manager for Ethyl at Dayton, Ohio, senior representative in the Louisville, Ky., office, and assistant regional manager at Chicago.

Nickel Price Ceiling Upped For Domestic Distributors

The Office of Price Stabilization has authorized price increase of 3½ cents a pound for primary nickel sold by the seven domestic wholesale distributors of the metal in order to permit them to maintain their customary pre-Korea markup as required by law.

The companies are: Eagle Metals Company, Seattle, Wash.; Metal Goods Corporation, St. Louis, Mo.; Pacific Metals Company, Ltd., San Francisco; Steel Sales Corporation, Chicago; J. M. Tull Metal & Supply Company, Atlanta, Ga.; Whitehead Metal Products Company, New York, and Williams & Company, Pittsburgh, Pa. They are the only domestic distributors of primary nickel.

Products covered are electrolytic cathode nickel, nickel oxide sinter and other forms of primary nickel imported from Canada and resold in the United States without change in their original form.

Previously, these distributors purchased primary nickel from the International Nickel Company, New York, which has now advised them that it will not, for the time being, continue to furnish their requirements. This situation will require the distributors to purchase their requirements in Canada from the International Nickel Company of Canada, Ltd., at an increase in price of 3½ cents a pound.

Congress to Get Bill Permitting FDA Inspection Within 10 Days

The government bill clarifying the authority of the Food and Drug Administration to inspect the factories of food, drug and cosmetic manufacturers without specific permission of the owners will be sent to congress within a week or ten days, it was reported in drug circles last week.

The bill, which is a simple amendment to the law permitting agents of the FDA to enter upon the premises of the owners upon giving written notice, is now in draft form and has been cleared by the Bureau of the Budget, according to latest reports. From there it is sent back to the Federal Security Administration which then forwards it to some member of congress for introduction.

Drug Industry Split on Issue

It was learned last week that the drug industry is not entirely united in support of the legislation, although it is not anticipated that there will be any opposition voiced to its passage. The drug manufacturers, as represented by the American Drug Manufacturers' Association and the American Pharmaceutical Manufacturers Association, have announced their support of the bill, but the proprietary producers are withholding their comments until hearings are held by the congressional committees.

It was also understood that some of the pharmacists would like to see the bill include a provision stating that the authority to inspect does not extend to federal inspection of local pharmacies. There is a question whether the FDA now has such power, and the pharmacists would like the law clarified on this point.

When the bill is introduced it will be referred to the house interstate commerce committee, headed by Rep. Charles A. Wolverton, of New Jersey, and to the senate interstate and foreign commerce committee, headed by Senator Charles W. Tobey, of New Hampshire. Early hearings on the bill are to be expected.

New Bills Are Listed

Among the bills and resolutions introduced in the senate and house last week were the following:—

S. 275 by Sen. Lester C. Hunt, of Wyoming, to further define the national transportation policy so as to make it a matter of public policy that the transportation industry shall be kept free of terrorism, extortion, racketeering, or similar unlawful or unethical business tactics.

S. 298 by Sen. J. Allen Frear, of Delaware, to afford the taxpayer the right to determine the period of useful life of property in computing deductions for depreciation under the income tax laws.

S. 379 by Sen. Andrew F. Schoeppel of Kansas, to permit the deduction from gross income for income tax purposes of expenditures made by farmers for the purpose of soil and water conservation.

S. 398 by Sen. Dennis Chavez of New Mexico, to amend the mineral leasing laws in order to eliminate the waiver of rentals for oil and gas leases.

S. 413, also by Sen. Chavez, to encour-

—Continued on page 78

Mono- and Diglycerides Termed Safe as Food Additives by NRC

The food protection committee of the National Research Council said last week in a report of its uncompleted survey of the safety of surface active agents that it could find no evidence on which to question the safety of mono- and diglycerides as food additives. The committee said that these materials occur as natural substances in considerable amounts in some food products, and it would be unreasonable to assume that the small amounts added intentionally in some food processing would cause any harm.

The conclusions of the committee were seen as giving suport to the conclusions of the Federal Security Administrator that the use of mono- and diglycerides should be allowed as optional ingredients in standards for bread. Use of these emulsifiers in bread while denying the same privilege to the polyoxyethylene monostearates type of surface active agents has been challenged in court action brought by Atlas Powder Corporation, Wilmington, Del.

The administrator has denied bread manufacturers the right to use the polyoxide softening agent on the grounds that there have not been sufficient findings that the material is harmless. Although the mono- and diglycerides are used for much the same purpose, the administrator did not believe that a finding that they are harmless was necessary since they have been in use for about twenty years.

Provides Basis for FSA Judgment

The report of the NRC, however, appears to provide the administrator the basis for making a finding of the safety of the mono- and diglycerides, should the courts, in the suit brought by Atlas, insist that the two competitive types of surface active agents be judged by the same standards.

The committee stated that monoglycerides and diglycerides have been well known as discrete chemical substances in the laboratories of organic and biochemists for nearly a century, and mixtures of mono- and diglycerides have been produced industrially for many years by reacting food fats (mainly triglycerides) with glycerin. Utilization of these materials as food additives began between 1928 and 1932.

The development of shortenings containing mono- and diglycerides during the last twenty years, it was stated, has continued to the point that today in the United States nearly every major brand of retail shortening carries about 2 percent of added monoglycerides and 2 percent of added diglycerides. Shortenings used by bakers for cake making carry a little over 3 percent of each, and some shortening products designed for use in baking bread contain from 7 to 10 percent of each.

"The available information on the natu-

—Continued on page 78

Air Pollution Research Program Urged in House

Rep. John A. Ray of New York has asked congress to sponsor a program of intensified research into the causes, hazards, and effects of air pollution, and how it may best be controlled and prevented. Under terms of H. J. Res. 72 which he has introduced, responsibility for the program would be placed in the hands of the Department of the Interior and the Public Health Service.

Mr. Ray stated that existing knowledge of the causes and effects of air pollution and the methods of its prevention or control is insufficient, and intensification of present programs of research and investigation is needed to determine and evaluate the effects of these conditions. The problem is so widespread that it is costing business and industry many millions of dollars annually, he said, and its solution is so pressing as to be a matter of national concern.

His bill states that "for the purpose of protecting public health, property, and the recovery of fuels and minerals vital to the national defense efforts, the Surgeon General of the Public Health Service and the Secretary of the Interior are authorized and directed to intensify their respective activities within the scope of their existing statutory authority with respect to the conduct of research, investigations, experiments, demonstrations, and the publication and dissemination of information through appropriate media, relating to the causes and effects and means of prevention and control of air pollution."

Superphosphate in Bags Gets Ceiling Increase

Manufacturers of mixed fertilizers have been authorized by the Office of Price Stabilization to increase their ceiling prices on bagged superphosphate to reflect freight rate increases authorized by federal and state regulatory bodies. At the same time, the agency authorized manufacturers who operate more than one plant to maintain their historic practice of establishing a uniform ceiling price for mixed fertilizer produced at their different plants located in a single pricing area.

The actions were taken in amendment 1 to Supplementary Regulation 114, GCPR, and amendment 1 to SR 31, CPR 22, effective January 20.

The adjustment in ceiling prices of bagged superphosphate will result in a very slight increase in cost to the users, according to OPS. The agency added that the adjustment is made in place of the transportation cost adjustment authorized manufacturers under SR 122 to the GCPR.

In connection with the uniform ceiling price for more than one plant in the same pricing area the adjustment is to be made in accordance with the formula contained in either SR 31 or SR 114.

Coaltar Products, Beehive Oven Coke Rises Granted

The Office of Price Stabilization last week authorized coaltar processors to increase ceiling prices on their products by an amount averaging 6 percent, and at the same time authorized an industry earnings standard increase of a similar amount in the prices of beehive oven coke.

The action affecting coaltar processors was contained in amendment 14 to Supplementary Regulation 13 to the General Ceiling Price Regulation and became effective January 14. The authorization on beehive oven coke was provided in amendment 15 to Supplementary Regulation 13 and became effective January 12.

OPS said the increases were made necessary because coal, labor and operating expenses had resulted in a decline in industry earnings below that which the agency considered "fair and equitable."

Atlas Bread Standards Rehearings Plea Denied

The Circuit Court of Appeals at Philadelphia denied the petition of the Atlas Powder Corporation January 14 for a rehearing of its suit against the Federal Security Administrator to reopen the bread standards hearings to receive additional testimony on the safety of the use of polyoxyethylene monostearate in bread.

The company announced immediately that it would appeal the case to the Supreme Court of the United States. As a result, the stay of enforcement of the bread standards against the use of the company's chemical emulsifier, "Myrj 45," in bread will continue until the supreme court acts in the case.

The company has protested the bread standards issued by the administrator last May because they prohibit the use of polyoxide types of emulsifiers in bread, while permitting the use of mono and diglyceride types of emulsifiers.

Copper Import Duties Suspension Still Favored

Legislation to continue the suspension of import duties on copper until June 30, 1954, was ordered reported favorably to the house January 15 by the house ways and means committee.

The bill is H. R. 568, introduced by Rep. Daniel Reed, of New York, chairman of the committee. The duties have been in suspension since 1947, and are due to become effective again February 15. Early house passage of the bill is contemplated.

Insecticide Act Change Sought in New Measure

Rep. Frank E. Smith of Mississippi has introduced H. R. 620 in the house to amend the definition of the "ingredient statement" contained in section 2 of the federal insecticide, fungicide, and rodenticide act so as to require a more adequate statement of the ingredients in economic poisons.

His bill would amend the definition to read as follows:—

"j. The term 'ingredient statement' means a statement of the name and percentage of each active ingredient, together with the name of each inert ingredient and the total percentage of the inert ingredients, in the economic poison; and, in addition, in case the economic poison contains arsenic in any form, a statement of the percentage of total and water soluble arsenic, each calculated as elemental arsenic."

The more informative labeling requirement would become mandatory as to any economic poison manufactured or produced twelve months from the date of enactment of the bill.

Mr. Smith said that the main objective of the bill is to discourage the offering of low quality insecticides on the market. His bill grew out of a situation that developed in Mississippi several years ago when a quantity of inferior grade insecticides were sold to cotton farmers.

The principle difference between the definition contained in the bill, and existing law, is that the bill would require manufacturers to place the name of each inert ingredient on the label as well as the percentage, in addition to the active ingredients, whereas the present law requires the naming of the inert ingredients only in cases where the economic poison is highly toxic to man.

Rep. Smith described this as a "loophole" in the federal law and one that was contained in the Mississippi law also since it was patterned after the federal act, until repaired by the Mississippi legislature by changing the definition of the ingredient statement as his bill proposes to do in the case of the federal law.

Insecticide Unit Planned By Grace, 2 Other Firms

A DDT and caustic soda-chlorine plant will be built in the Sao Paulo area of Brazil by a company being formed by W. R. Grace & Co., New York; the American Home Products Corporation, New York, and Institute Medicamenta Fontoura S/A of Brazil, it was announced last week. Grace will have a 55 percent interest in the new company, while the other concerns each will have a 22½ percent share.

The plant will have an initial capacity of about four million pounds of DDT a year and ten tons of chlorine a day. The DDT will be manufactured for general agricultural purposes, household insecticides, and federal and state government use for public health services. Plans call for the new plant to supply the entire national requirements of Brazil. Construction is expected to get under way immediately with completion scheduled for 1954. Future plans call for expansion into other chemical products.

Polystyrene Plastic Facility Started by Dow in California

The Dow Chemical Company, Midland, Mich., has started construction on a plant at Torrance, Cal., for the manufacture of "Styron," a polystyrene plastic material.

Russell L. Curtis, a vice-president and general manager of the western division, with headquarters in San Francisco, announced that the plant is being located on the west coast to better meet the raw material and technical service requirements of the plastics industry in that area. Facilities will include equipment for the manufacture of plastic granules in a variety of colors in addition to clear uncolored material.

Buffalo Electro-Chemical Sales Appointment to Shea

John F. Shea, formerly northeastern district sales manager of the Buffalo Electro-Chemical Company, Buffalo, N. Y., and a member of the sales force since 1930, has been appointed general sales manager, it has been announced by Dr. Max E. Bretschger, president. Mr. Shea will make his headquarters in Buffalo.

At the same time, Dr. Bretschger announced the appointment of Fred N. C. Jerauld, formerly assistant to the president, as manager of sales promotion. Mr. Jerauld has been with the company since 1936.

Food Machinery Consultant

P. H. Groggins has joined the chemical division of the Food Machinery & Chemical Corporation as general chemical consultant. Mr. Groggins will serve in the administrative office, which is headed by Ernest Hart, an executive vice-president, and will report to Dr. M. Y. Seaton, senior vice-president and technical coordinator of the Chemical division. Mr. Groggins retired January 1 from a twenty-six year term of serving with the U. S. government, where he had been long connected with the Department of Agriculture and more recently with the National Production Authority.

Oil Lands to Get Transfer To Navy, President Says

President Truman told his press conference January 15 that he intends to issue an executive order turning the disputed off shore oil lands over to the Navy. He said it would be signed and issued as soon as it is ready and will cover oil in the marginal sea all the way out to the continental shelf.

The President's action will present an embarrassing situation to President-elect Eisenhower, who made return of the off shore oil lands to the states one of the top issues of the election campaign. The new president is expected to issue an order rescinding the Truman order and advise congress to pass the necessary legislation confirming title to the lands to the states.

Reis Elected President Of Essential Oil Ass'n

Waldo Reis, vice-president of van Ameringen-Haebler, Inc., was elected president of the Essential Oil Association at its annual meeting January 9 in the Savoy Plaza hotel, New York. Mr. Reis succeeds George H. McGlynn, vice-president of Magnus, Mabee & Reynard, Inc.

Other officers elected included:—Vice-president, L. Gampert, vice-president of the Felton Chemical Company; secretary-treasurer, P. J. Coutin, vice-president of Roure-Dupont, Inc., and managing director, Ray C. Schlotterer. Elected to the executive committee was R. Engel, vice-president of the Trubek Laboratories, Inc., and Mr. McGlynn.

Waldo Reis

Dr. Eric Kunz, chairman of the scientific section, in reviewing the accomplishments of the year, pointed out that that section had set forth specifications for tolu oil, amyris oil, ocotea cymbarum oil, peru oil, olibanum oil and oppoponax oil.

"We have concluded twelve months of history making events in our industry," Mr. McGlynn told the group. "Without any thought of adding fuel to the fire of the remorseful recollection, for I daresay we have all been more or less discouraged by reason of the terrific inventory declines, I will say for myself that I believe we have not experienced in a quarter of a century such a turn-about as has confronted us in the last year."

Mr. McGlynn pointed out that "decline

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Price Index Advances

For the first time in several weeks, the OPD index showed an upward trend. The advance in the overall index number amounted to 0.12 point last week. The fats, oils and waxes market showed strength with advances in copra, soybean meal, ouricury, carnauba and bees waxes in addition to increases in crude coconut, corn foots, cottonseed, olive, palm kernel and crude soybean oils. Declines in this market included greases, linseed meal, oleo stearine and corn, oleo, peanut and tung oils. The textile and leather chemicals market featured advances in egg yolk and sumac leaf. Blood albumin and sulphonated tallow were reduced.

Items advanced in the botanical market included cassia buds, Argentine coriander seeds and Zanzibar clove. On the down side in this market were green cardamom from Alleppey and Ceylon, Madras tumeric root and Iranian cumin seed. Silver bullion was advanced in the heavy chemicals section while lead metal, quicksilver, sodium antimoniate and zinc metal were reduced.

The essential oils markets showed considerable weakness. Among items reduced in this market were angelica root, Dalmatian sage, cajeput, coriander, and bois de rose oils. Dillweed, grapefruit and rue oils were included among advances. Crude glycerin and silver nitrate were advanced in the drugs and fine chemicals market. Morpholine was reduced.

The agricultural chemicals market was unchanged, with the exception of a decline in technical benzene hexachloride. The reduction in lead metal was followed by corresponding declines in red lead, litharge and orange mineral in the protective coatings materials market. Iron blues, antimony oxide, dried, soluble blood and zinc dust constituted advances in this market. The coal chemicals and petroleum derivatives markets were without change.

Except for thirty-six changes in botanicals listed on page 65, price changes during the past week were as follows (the numbers in parentheses after changes indicate the pages on which the market reports will be found):—

Prices Advanced

Copra, $10 per ton (73).
Egg yolk, 5c. per lb. (63).
Glycerin, crude, 2c. per lb. (55).
Iron blues, 3¼c. per lb. (69).
Oil, apricot kernel, 3c. per lb. (67).
Coconut, crude, ⅛c. per lb. (73).
Corn foots, 95%, 1½c. per lb. (73).
Cottonseed, 95%, 1½c. per lb. (73).
50%, ¼c. per lb.
Dillweed, 50c. per lb. (67).
Grapefruit, 45c. per lb. (67).
Juniper berry, 25c. per lb. (67).
Olive, 10c. per gal. (73).
Palm kernel, ½c. per lb. (73).
Pennyroyal, USP, imp., 25c. per lb. (67).
Rue, 30c. per lb. (67).
Soybean, crude, ⅛c. per lb. (73).
Silver bullion, 2c. per oz. (40).
Nitrate, USP, 1⅛c. per lb. (55).
Soybean meal, $4 per ton (73).
Sumac leaf, $5 per ton (63).
Wax, bees, Afr., crude, ½c. per lb. (73).
Carnauba, No. 3, crude, 5c. per lb.
ref., 2c. per lb.
Ouricury, ref., 2c. per lb. (73).

Prices Reduced

Antimony oxide, 2½c. per lb. (69).
BHC, technical, .0030c. per gamma unit (46).
dry dust, .0035c. per gamma unit.
wet dust, .0030c. per gamma unit.
Blood albumin, 3c. per lb. (63).
Dried, soluble, ½c. per lb. (69).
Grease, house, ⅛c. per lb. (73).
yellow, ⅛c. per lb.
Lead, ½c. per lb. (40).
Monosilicate, ½c. per lb. (69).
Red, ½c. per lb.
Linseed meal, $2 per ton (73).
Litharge, ½c. per lb. (69).
Morpholine, 6c. per lb. (55).
Oil, angelica root, $25 per lb. (67).
Birchtar, rectified, 5c. per lb. (67).
Bois de Rose, 15c. per lb. (67).
Cajeput, tech., 35c. per lb. (67).
redistilled, 5c. per lb.
Castor, Braz., No. 1, ¼c. per lb. (73).
Coriander, 50c. per lb. (67).
Corn, crude, ⅛c. per lb. (73).
ref., ⅛c. per lb.
Eucalyptus, 70-75%, 10c. per lb. (67).
80-85%, 5c. per lb.
Lime, distilled, WI, 75c. per lb. (67).
Oleo, ½c. per lb. (73).
Orange, sweet, distilled, 10c. per lb. (67).
expressed, Florida, 20c. per lb.
Peanut, crude, 1½c. per lb. (73).
ref., 1½c. per lb.
Sage, Dalmatian, 50c. per lb. (67).
Tung, 1c. per lb. (73).
Oleo stearine, ½c. per lb. (73).
Orange mineral, ½c. per lb. (69).
Quicksilver, $3 per flask (40).
Red, vermilion, quicksilver, 2c. per lb. (69).
Sodium antimoniate, 2½c. per lb. (40).
Tallow, edible, ½c. per lb. (73).
inedible, ⅛c. per lb.
sulphonated, ½c. per lb. (63).
Zinc, dust, ½c. per lb. (69).
prime western, ½c. per lb. (40).

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100=1949 average)

January 16, 1953	January 9, 1953	January 18, 1952
108.62	108.50	114.35

Apothecaries Parley Jan. 26

The American College of Apothecaries will hold its second eastern seaboard conference January 26 and 27 at the Essex House in New York.

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Health Needs Group Now a Private Body

The President's ~~Commission on~~ the Health Needs of the Nation, whose official government status ended on January 15, has formed itself into a private organization to be known as the Committee for the President's Health Report, according to Dr. Paul B. Magnuson, chairman of the commission.

"We have formed this committee for the sole purpose of bringing about wider distribution and better understanding of our report," Dr. Magnuson said. "We would like to see a copy of this report in the hands of practically every American."

President Truman earlier in the week referred the commission's report to congress with an accompanying letter supporting the objectives of the report and urging congress to give early consideration to its findings and recommendation.

Mr. Truman said that throughout its report the commission has expressed its belief that good health care must start at the grass roots—with the federal government taking the leadership, where necessary, in the promotion of good health rather than in extensive direct operation of health services. With this point in mind, he noted, the commission endorsed the principals of federal grants-in-aid for state and local activities in the health field.

Truman Recalls Recommendation

"In the past," he said, 'I have recommended that the problem of the high cost of health care be met by a national health insurance system. While the commission majority felt that this approach required further study before coming to any final conclusions on its merits, it recommended immediate attention be given to a proposal for federal grants-in-aid to state plans for comprehensive personal health services.

"This latter proposal has the virtue of affording local and state groups the initial opportunity for the establishment of workable health services plans. It likewise may encourage the most effective use of private and public health facilities at the local level in providing essential

—*Continued on page 77*

O'Brien Buys Eagle-Picher Facilities in Oklahoma City

Jerome J. Crowley, jr., president of the O'Brien Corporation, South Bend, Ind., has announced the acquisition of the plant and manufacturing facilities in Oklahoma City, Okla., of the Eagle-Picher Company, Cincinnati, Ohio. The plant will be operated as a branch of the O'Brien Corporation to service its dealer organization in the southwest. Built during the period of 1946-49, the plant contains 48,000 square feet of manufacturing and warehousing space.

Van Ameringen Vice-Pres.

Charles P. Walker, jr., has been named vice-president of van Ameringen-Haebler, Inc., New York, where he will assume his new responsibilities February 16. Mr. Walker recently resigned as general sales manager of Chas. Pfizer & Co., Brooklyn, N. Y., but will continue his present tenure as a director of that company. The appointee was formerly president of the Citro Chemical Company of America, which become a Pfizer subsidiary in 1947.

Titanium Dioxide Output Set For Glidden's Aid in Japan

An agreement under which the Glidden Company, Cleveland, Ohio, will provide technical assistance for large scale production of titanium dioxide in Japan has been announced by Dwight P. Joyce, Glidden president.

Mr. Joyce said the agreement called for construction of a new $6,000,000 titanium dioxide plant in Japan, largest of its kind in the Orient, by the Ishihara Chemical Company, of Tokyo and Osaka. "The Ishihara Company is ideally qualified to produce titanium dioxide," Mr. Joyce said, "because the necessary raw materials are sulphuric acid and ilmenite. Ishihara has excellent sources for ilmenite in Malaya and is a producer of sulphuric acid."

Mr. Joyce said that under the agreement Ishihara has been licensed to use Glidden processes and methods. Glidden receives stock in the Ishihara concern, a substantial down payment in American dollars and royalty payments over a period of years. Glidden will also have rights to any new processes developed at the Japanese plant. Construction of the new plant, midway between Tokyo and Osaka, will start shortly and it is expected to be in production within a year.

Oil Cartel Probe Decision Left to GOP Administration

The ultimate decision of the government in the controversial grand jury investigation of American company participation in an alleged international oil cartel was tossed into the lap of the Eisenhower administration last week in a series of fast-moving developments by the outgoing Truman administration. They included the following:—

A meeting of the National Security Council on January 9 at which members in a reported nearly unanimous agreement advised the President that the investigation was threatening injury to our foreign relations.

On January 12 President Truman announced that in the interest of public policy, he was offering to drop the criminal action and substitute a civil suit against the companies if they would agree to submit the documents called for by the subpoenas issued in the criminal proceedings. At a heated conference with Attorney General McGranery that same afternoon the companies rejected the proposal.

The following day Federal Judge James R. Kirkland, of the United States District Court, refused to dismiss the case after lashing out at both the government and oil company lawyers for the way in which the case had been handled but ruled that the documents called for under the subpoena need not be filed before January 28.

Postponement of the case to this date thus places the entire matter before the Eisenhower administration for decision as to what is to be done with the investigation. The steps which the new administration will take are unknown. By the time the deadline for submitting the documents is again reached most of those in the Department of Justice in a position to make policy will have been replaced.

The Texas Company charged January 13 in Federal District Court in Washington, D. C., that Attorney General McGranery was "abusing" and using "illegally" the court's criminal processes and asked Judge Kirkland to discharge the grand jury and quash subpoenas calling for thousands of documents. At the same time, the California Texas Oil Company, Ltd., asserted, in a motion filed with Judge Kirkland, that "the threat of the attorney general is an admission that the process of this court is being abused."

Fertilizer Made by Monsanto To Minimize Risk of Burn

A water-soluble fertilizer, which has been formulated to minimize risk of leaf or grass burn, has been developed by the Monsanto Chemical Company, St. Louis, Mo., Roy L. Brandenburger, general manager of the company's merchandising division, has announced.

The new product, called "Folium," is now being manufactured and will be offered to the public within thirty days through distributors and dealers currently handling products of the merchandising division.

"Folium" is a quickly-soluble inorganic fertilizer of 20-20-20 composition (20 per cent nitrogen, 20 per cent phosphorus, 20 per cent potash). It contains a chemical which keeps the product in free-flowing, non-caking condition and assists in the absorption of nutrients by the plant leaves, Monsanto stated.

SOCMA Told Canada Must Stiffen Its Tariff

An aggressive tariff policy adopted by Canada is the only method that will produce a fairer treatment by the United States in the tariff relationship of those two countries, Victor G. Bartram, president of Shawinigan Chemicals, Ltd., Montreal, declared at the meeting of the Synthetic Organic Chemical Manufacturers Association last week in the Commodore hotel, New York.

Mr. Bartram suggested that the Canadians raise their rates "to a level where we will have something worthwhile to trade on and then try to adjust matters on a more even basis between us." The speaker said he realized this suggestion would not be popular with United States industrialists, "but at any rate I would like to leave this thought with you in the hope that some day we may get a more reasonable attitude on the part of U. S. industry insofar as granting Canada greater preference where the U. S tariff is concerned."

Exports of chemicals by Canada to the United States in 1951 amounted to $67,000,000, or 52 percent of the total exports, while imports from the United States during the same period amounted to $165,000,000, or 86 percent of the total imports, Mr. Bartram pointed out.

Sees Canada at Disadvantage

"From the figures I have quoted you will see that Canada is at a distinct disadvantage insofar as trade in the chemical field is concerned with regard to the United States market," the speaker declared. "These figures indicate the position that has been stressed in recent years by many Canadian manufacturers, not only in the chemical industry but in other industries, as well, regarding the disadvantage Canadian exporters are placed under as far as the U. S. market is concerned because of extraordinarily high tariff protection United States producers enjoy.

"In spite of every effort to encourage increased volume of trade between the two countries and every effort on the part of Canadian producers to endeavor to wipe out the adverse balance of trade, the existing tariff rates against us under the present U. S. tariff regulations have made this impossible," Mr. Bartram said.

Recalls Canadian Adjustments

"We in Canada over the years have been advocates of freer trade and have made innumerable adjustments of our tariff downward. We have also signed numerous trade treaties granting lowest possible tariff rates under our existing tariff law to many countries in return for concessions from them. These concessions apply to the United States on a good many items in our tariff and we in turn have received some tariff concessions from the United States," he continued.

Mr. Bartram said the situation was unfair in that Canada starts negotiations with a comparatively low tariff level, whereas the United States starts negotiations from a level which he called "practically exhorbitant." Continuing, he said, "We give a 50 percent tariff cut on an item which is dutiable anywhere from 5 to 20 percent as compared with the U. S. offering a similar concession on average tariff rates of 50 percent or higher, so that even with a 50 percent reduction from this existing high tariff rate, it is still next to impossible for Canadian industry to greatly increase sales in the United States."

Sodium Silicate Facilities Being Built by Davison

A plant for the production of sodium silicate in both solid and solution form, by a new process, is part of the facilities which are being built by the Davison Chemical Corporation at Lake Charles, La., to manufacture petroleum cracking catalysts and other chemicals, it has been announced by R. L. Hockley, president.

The plant will mark Davison's entry into production of sodium silicate and will also mark further Davison diversification into the heavy chemicals field. Capacity of the facilities at Lake Charles will be about 300 tons per day of sodium silicate, sufficient not only for the needs of Davison's plant but for other users. The process to be used was developed by the Cowles Chemical Company, Cleveland, Ohio. Patents are pending on it and Davison is the first and only licensee to date.

Erythromycin Price Reduced

Eli Lilly & Co., Indianapolis, Ind., has announced a 26 percent reduction in the price of erythromycin, which it markets under the trade name "Ilotycin." At the same time, the company reduced prices on certain items in its penicillin, streptomycin and dihydrostreptomycin line.

Washington Talks It Over

By Ralph L. Cherry

A report that has gained much headway in Washington in the past ten days or so is that one of the first things that President-elect Eisenhower will do when he takes office tomorrow will be to bring the price and wage control programs to a speedy end. These sections of the defense production act would expire automatically April 30, but Mr. Eisenhower is said to feel that the quicker they pass out of the picture the better.

Rep. Jesse P. Wolcott of Michigan, the new chairman of the house banking committee, which sponsors the control legislation, is responsible for the report, and he says that he does not anticipate that there will be any real opposition to repeal of these sections of the law in view of the support which the Republicans expect to receive from the southern Democrats.

The whole defense program is due to come up for hearing before both the senate and house banking committees next month. Congressional leaders do not know what the new President will recommend in the way of extension of the act, but they understand that he feels that insofar as the stabilization part of the program is concerned, it would be impossible to draft a workable bill. They do not expect that he will even ask for standby authority.

A down-the-line fight against ditching the stabilization program, however, can be expected to be waged by a small band of liberals both in and out of congress. Economic Stabilizer Michael DiSalle picked up the report that the stabilization program was to be abolished last week and at a meeting with the consumer advisory committee sought to show what it would mean. He said that only a 1 percent rise in the cost of living would take more than $2,000,000,000 from the consumers' pockets annually, and another $1,000,000,000 would be added to the tax bill or the national debt, if the cost of defense materials should rise 3 to 4 percent.

Price director Joseph H. Freehill echoed Mr. DiSalle's warnings and added, "We're not going to give up the ghost, but will continue to do our job without regard to whether we are to be here for a week, a month or a year."

Establishing Production Capacities

The Office of Defense Mobilization's advisory committee on production equipment has submitted a final report to mobilization director Henry H. Fowler emphasizing the advisability of shifting military planning from production of end items to establishment of production capacities.

Since Korea, the report pointed out, highest priority has been placed on meeting current military needs. But with forces-in-being and weapons production now brought up to substantial levels, emphasis should be shifted to completing the production capacity needed as a basis for full mobilization.

The committee said it was convinced that "capacity to produce is, in fact, a military reserve of the highest order," and proposed that production capacity be substituted for the stockpiling of military end-items to the greatest extent practicable.

What the committee is proposing, in effect, is the establishment of so-called

—*Continued on page 38*

Tenn. Eastman Appointee

Jay K. Gillenwater has been named director of purchases for the Tennessee Eastman Company, Kingsport, Tenn. Mr. Gillenwater joined the company twenty-two years ago and advanced through various positions until he became purchasing agent in 1949.

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Association Meetings

American Association of Textile Technologists, annual symposium, Statler hotel, New York, February 3.

American Drug Manufacturers Association, annual meeting, Boca Raton Club, Boca Raton, Fla., April 13-16.

American Institute of Chemists, annual meeting, Philadelphia, May 12-13.

American Institute of Mining and Metallurgical Engineers, Los Angeles, February 16-19.

American Oil Chemists' Association, annual meeting, Roosevelt hotel, New Orleans, La., May 4-6.

American Pharmaceutical Association, Salt Lake City, Utah, August 16-22.

American Pharmaceutical Manufacturers Association, eastern section meetings, Roosevelt hotel, New York, February 2-4; central section meetings, Edgewater Beach hotel, Chicago, February 9-11; western section meetings, Los Angeles, February 16-17; annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., March 30-April 1.

American Society of Hospital Pharmacists, annual meeting, Salt Lake City, Utah, August 16-22.

American Society for Testing Materials, Chalfonte-Haddon Hall, Atlantic City, N. J., June 29-July 3.

Association of American Soap and Glycerine Producers, annual meeting, Waldorf-Astoria hotel, New York, January 27-29.

Association of Consulting Chemists and Chemical Engineers, symposium, Belmont Plaza hotel, New York, April 21; annual meeting, Belmont Plaza hotel, New York, October 27.

Chemical Specialties Manufacturers Association, luncheon meeting, Roosevelt hotel, New York, January 21; midyear meeting, Drake hotel, Chicago, May 17-19.

Commercial Chemical Development Association, closed meeting, Statler hotel, Cleveland, Ohio, January 22; annual meeting, Statler hotel, New York, March 23-24.

Compressed Gas Association, annual meeting, Waldorf-Astoria hotel, New York, January 26-27.

Drug, Chemical and Allied Trades section of the New York Board of Trade midwinter luncheon meeting, Astor hotel, New York, January 20; annual dinner, Waldorf-Astoria hotel, New York, March 5.

Eastern Pest Control Operators Conference, University of Massachusetts, Amherst, Mass., February 5-7.

Electrochemical Society, spring meeting, Statler hotel, New York, April 12-16.

Federal Wholesale Druggists Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., September 20-23.

International Magnesium Exposition, Washington National Guard Armory, Washington, D. C., March 31-April 2.

Manufacturing Chemists Association, air pollution abatement conference, Statler hotel, Detroit, February 26-27; joint meeting with SOCMA, Greenbrier hotel, White Sulphur Springs, W. Va., June 11-13.

National Agricultural Chemicals Association, spring meeting, Jung hotel, New Orleans, La., March 11-13.

National Association of Corrosion Engineers, Sherman hotel, Chicago, March 16-20.

National Cottonseed Products Association, Ambassador hotel, Los Angeles, May 8-12.

National Farm Chemurgic Council, annual conference, exhibit, Statler hotel, St. Louis, March 9-11.

National Fertilizer Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., June 15-17.

National Sanitary Supply association, annual meeting and merchandise exposition, Conrad Hilton hotel, Chicago, March 22-25.

Oil Trades Association of New York, Waldorf-Astoria hotel, New York, January 21.

Packaging Institute, annual forum, Statler hotel, New York, October 12-14.

Packaging Machinery Manufacturers Institute, semi-annual meeting, Sheraton hotel, Chicago, April 18-19.

Philadelphia Drug Exchange, annual meeting, Downtown Club, Philadelphia, January 27; annual dinner, Warwick hotel, Philadelphia, February 5.

Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, William Penn hotel, Pittsburgh, March 2-6.

Plant Maintenance Conference, in conjunction with Plant Maintenance Show, Public Auditorium, Cleveland, Ohio, January 19-22.

Salesman's Association of the American Chemical Industry, annual election meeting, Roosevelt hotel, New York, January 21.

Society of Industrial Packaging and Materials Handling Engineers, exposition, technical short course and competition, Mechanics Hall, Boston, October 18-24.

Society of Plastics Engineers, annual technical conference, Statler hotel, Boston, January 21-23.

Society of the Plastics Industries of Canada, annual conference, Gen. Brock hotel, Niagara Falls, March 10-11.

Society of the Plastics Industry, reinforced plastics division conference, Shoreham hotel, Washington, D. C., February 18-20, annual meeting and conference, cruise to Bermuda, May 9-15.

Southern Paint and Varnish Production Club, annual meeting, Buena Vista hotel, Biloxi, Miss., March 18-21.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, January 14; joint meeting with MCA, Greenbrier hotel, White Sulphur Springs, W. Va., June 11-13.

Technical Association of the Pulp and Paper Industry, New York, February 16-19.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 12-14.

Oils, Fats Consumption: November

Factory consumption of primary oils, fats, fatty acids, and related materials, in November, 1952, totaled 1,864,536,000 pounds, according to the Bureau of Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products	288,074,000
Paint and varnish	44,153,000
Processing	295,479,000
Refining	522,067,000
Soap	107,623,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds—Crude	Pounds—Refined
Babassu—		
Refining	.....	.....
Soap	[1]	[1] .....
Other	.....	.....
Castor—	No. 1	No. 3
Refining	.....	.....
Fat-splitting	[1]	[1] .....
Sulphonation	189,000	349,000
Soap	[1]	[1] .....
Paint and varnish	238,000	14,000
Linoleum and oilcloth	[1]	[1] .....
Chemicals	[1]	[1] .....
Lubricants and greases	[1]	31,000
Other uses	[2]1,090,000	[2]277,000
Castor, dehydrated—		
Soap	.....	.....
Paint and varnish	.....	1,033,000
Linoleum and oilcloth	.....	[2] .....
Lubricants and greases	.....	.....
Other uses	.....	[2]250,000
Coconut—	Crude	Refined
Refining	34,120,000	.....
Deodorizing	.....	6,875,000
Hydrogenation	.....	2,460,000
Fat-splitting	4,287,000	.....
Shortening	.....	120,000
Sulphonation	71,000	4,000
Other edible products	[1]	2,501,000
Chemicals	[1]	[1] .....
Soap	7,331,000	8,385,000
Paint and varnish	.....	349,000
Other uses	1,537,000	[4] .....
Cod and codliver—		All grades
Sulphonation	.....	166,000
Deodorizing	.....	.....
Paint and varnish	.....	.....
Other uses	.....	[2]995,000
Corn—	Crude	Refined
Refining	18,396,000	.....
Sulphonation	.....	[4] .....
Deodorizing	.....	2,138,000
Winterizing for salad oil	.....	.....
Shortening	.....	[4] .....
Oleomargarine	.....	[4] .....
Other edible uses	[1]	6,[illegible]9,000
Soap	[1]	[4] .....
Paint and varnish	.....	[4] .....
Other uses	[4]	112,000
Cottonseed—	Crude	Refined
Refining	203,450,000	.....
Sulphonation	.....	[5] .....
Hydrogenation	.....	33,258,000
Deodorizing	.....	[4] .....
Winterizing for salad oil	.....	30,267,000
Shortening	.....	14,996,000
Oleomargarine	.....	4,547,000
Other edible uses	.....	1,132,000
Soap	.....	[4] .....
Paint and varnish	.....	[4] .....
Other uses	[4]	[2]79,000
Fish—	Menhaden	Sardine
Refining	[3]	[3] .....
Fat-splitting	.....	.....
Sulphonation	42,000	341,000
Soap	.....	.....
Paint and varnish	2,044,000	717,000
Linoleum and oilcloth	[4]	49,000
Lubricants and greases	57,000	[3] .....
Other uses	[2]740,000	[2]356,000
Fish, other—	Crude	Refined
Refining	.....	.....
Paint and varnish	17,000	106,000
Other uses	461,000	[2] .....
Fishliver, other than cod—		
Sulphonation	.....	.....
Lubricants and greases	.....	.....
Other uses	.....	[2] .....
Linseed—	Raw	Refined
Refining	23,593,000	.....
Fat-splitting	[1]	.....
Soap	.....	.....
Paint and varnish	9,828,000	12,590,000
Linoleum and oilcloth	6,968,000	897,000
Lubricants and greases	.....	[1] .....
Other uses	7,079,000	[2]3,232,000
Marine mammal—		All grades
Refining	.....	.....
Sulphonation	.....	383,000
Paint and varnish	.....	.....
Chemicals	.....	536,000
Lubricants and greases	.....	870,000
Other uses	.....	[2]2,697,000
Neatsfoot—		All grades
Refining	.....	.....
Sulphonation	.....	65,000
Soap	.....	.....
Chemicals	.....	[2] .....
Lubricants and greases	.....	9,000
Other uses	.....	[2]205,000
Oiticica—		All grades
Paint and varnish	.....	656,000
Linoleum and oilcloth	.....	[1] .....
Other uses	.....	212,000
Olive—	Edible	Inedible
Edible uses	127,000	.....
Soap	.....	[1] .....
Other uses	[1]	.....
Oleo—		All grades
Shortening	.....	[4] .....
Oleomargarine	.....	596,000
Other edible uses	.....	[4] .....
Soap	.....	.....
Lubricants	.....	.....
Other uses	.....	[2] .....
Palm—	Crude	Refined
Soap	[1]	[1] .....
Lubricants and greases	[1]	[1] .....
Other uses	2,943,000	[1] .....
Palmkernel—	Crude	Refined
Soap	.....	.....
Peanut—	Crude	Refined
Refining	[1]	[1] .....
Sulphonation	.....	108,000
Hydrogenation	.....	1,167,000
Deodorizing	.....	1,938,000
Winterizing for salad oil	.....	.....
Shortening	.....	55,000
Oleomargarine	.....	[4] .....
Other edible uses	.....	518,000
Soap	[1]	[1] .....
Other uses	[1]	206,000
Perilla—		All grades
Paint and varnish	.....	.....
Rapeseed—		
Lubricants and greases	.....	[2]200,000
Sesame, refined—		
All uses	.....	.....
Soybean—	Crude	Refined
Refining	183,766,000	.....
Fat-splitting	[1]	.....
Sulphonation	9,000	55,000
Hydrogenation	.....	92,611,000
Deodorizing	.....	8,332,000
Winterizing for salad oil	.....	[4] .....
Shortening	.....	27,437,000
Oleomargarine	.....	4,813,000
Other edible uses	[1]	5,893,000
Soap	79,000	[4] .....
Paint and varnish	348,000	6,072,000
Chemicals	.....	[1] .....
Lubricants and greases	8,000	13,000
Linoleum and oilcloth	[1]	1,032,000
Other uses	5,857,000	10,268,000

	Pounds All grades
Tallow—	
Soap	[1] .....
Lubricants and greases	585,000
Other uses	[2] .....
Tung—	
Paint and varnish	3,162,000
Chemicals	.....
Lubricants and greases	[1] .....
Linoleum and oilcloth	[1] .....
Other uses	[2]627,000
Vegetable not specified—	
Refining	6,764,000
Fat-splitting	369,000
Hydrogenation	[2]709,000
Sulphonation	[2]67,000
Winterizing for salad oil	12,488,000
Shortening	[2]28,000
Oleomargarine	11,000
Other edible uses	9,38,000
Soap	[2]484,000
Paint and varnish	437,000
Linoleum and oilcloth	96,000
Chemicals	[2]2,168,000
Lubricants and greases	[2]196,000
Other uses	[2]9,898,000

Fats and Greases

	Rendered	Refined
Grease and lard oil—		
Sulphonation	.....	176,000
Soap	.....	[2] .....
Lubricants and greases	.....	1,812,000
Other uses	.....	[2]829,000
Grease, not specified—		
Refining	.....	.....
Fat-splitting	.....	4,651,000
Winterizing	.....	.....
Sulphonation	.....	10,000
Hydrogenation	.....	[5] .....
Pressing	.....	6,000,000
Soap	.....	22,711,000
Lubricants and greases	.....	885,000
Other uses	.....	237,000
Lard—	Rendered	Refined
Shortening	8,064,000	12,898,000
Oleomargarine	[2]	[2] .....
Hydrogenation	3,353,000	[5] .....
Other edible uses	235,000	714,000
Soap	.....	.....
Lubricants and greases	[2]	.....
Other uses	[2]	[2] .....
Stearin, animal—	Edible	Inedible
Shortening	764,000	.....
Oleomargarine	332,000	.....
Other edible uses	[2]	.....
Soap	.....	335,000
Other uses	[2]	[2]115,000
Stearin, vegetable—		
Shortening	.....	5,976,000
Oleomargarine	.....	[2] .....
Hydrogenation	.....	1,024,000
Other edible uses	.....	106,000
Other uses	.....	[2] .....
Tallow, edible—	Crude	Refined
Refining	[3]	.....
Fat-splitting	.....	[3] .....
Hydrogenation	[5]	[3] .....
Sulphonation	.....	.....
Shortening	1,898,000	393,000
Soap	52,000	[2] .....
Lubricants and greases	[2]	.....
Other uses	[2]20,000	7,000
Tallow, inedible—	Crude	Refined
Refining	22,162,000	.....
Fat-splitting	12,078,000	.....
Hydrogenation	627,000	[3] .....
Pressing	[2]	.....
Sulphonation	519,000	135,000
Soap	33,156,000	16,521,000
Lubricants and greases	2,309,000	40,000
Other uses	[2]5,016,000	142,000

Fatty Acids and Acid Stocks

Animal fat and oil fatty acids, not specified—	
Winterizing and pressing	4,023,000
Soap	1,707,000
Lubricants and greases	609,000
Other uses	[2]5,724,000
Animal oil foots (100 percent basis)—	
Soap	2,046,000
Other uses	[2] .....
Fatty acid stocks, not specified—	
Refining	.....
Fat-splitting	[3] .....
Sulphonation	.....
Soap	2,7,000
Paint and varnish	39,000
Linoleum and oilcloth	.....
Lubricants and greases	[3] .....
Other uses	[2]155,000
Fish and marine mammal oil fatty acids—	
Sulphonation	[3] .....
Paint and varnish	.....
Lubricants and greases	[3] .....
Other uses	[2]38,000
Fish and marine mammal oil foots (100 percent basis)—	
All uses	112,000
Olive oil foots (including sulphur oil)—	
Soap	212,000
Rosin oil—	
Sulphonation	240,000
Soap	639,000
Paint and varnish	12,000
Chemicals	791,000
Lubricants and greases	210,000
Other uses	[2,3]1,312,000
Stearic acid—	
Sulphonation	20,000
Soap	333,000
Paint and varnish	31,000
Lubricants and greases	219,000
Chemicals	922,000
Other uses	[2,3]3,638,000
Vegetable oil fatty acids—	
Sulphonation	[3] .....
Hydrogenation	[3] .....
Soap	2,142,000
Paint and varnish	1,697,000
Lubricants and greases	[3] .....
Chemicals	762,000
Other uses	[2]3,765,000
Vegetable oil foots (100 percent basis)—	
Fat-splitting	14,041,000
Soap	3,085,000
Paint and varnish	116,000
Other uses	[2]119,000

Unclassified

Materials not shown separately—	
Refining	2,768,000
Fat-splitting	737,000
Hydrogenation	6,997,000
Sulphonation	[3] .....
Pressing	.....
Shortening	1,542,000
Oleomargarine	1,344,000
Soap	1,610,000
Paint and varnish	[3] .....
Linoleum and oilcloth	[3] .....
Chemicals	5,175,000
Lubricants and greases	465,000
Other uses	[2]11,319,000

[1] Included in "Total of vegetable oil not shown separately, including small quantities for items for which data are not reliable."
[2] Not shown to avoid disclosure of figures for individual companies.
[3] Included in materials other than vegetable oils not shown separately, including small quantities for items for which data are not reliable.

APMA Eastern Section Meeting Plans Are Set

The program for the eastern section meetings of the American Pharmaceutical Manufacturers' Association, to be held in the Roosevelt hotel, New York, February 2 to 4, was announced last week. Robert A. Hardt, of Hoffman-La Roche, Inc., is serving as general chairman.

The opening day will feature the production section meeting, with Albert G. Gerathy, of the Schering Corporation, acting as chairman. Robert Shull, of Cresap, McCormick & Paget, will speak on "Production Planning and Inventory Control," after which there will be a floor discussion. Wilbur Felker, of Schering, will present a paper on "Pharmaceutical Quality—The Price of Our Reputation," to be followed by another floor discussion. A talk on "Instrumentation in Pharmaceutical Processing," by William Auld, of the Lederle Laboratories Division of the American Cyanimid Company will conclude this section's program.

The scientific section will meet February 3, with W. G. Bywater, of S. B. Penick & Co., as chairman. The following talks will be given during the morning:—"The Chemistry of Chlorophyll," P. Rothemund, of the Charles F. Kettering Foundation, Antioch College; "A Critical Evaluation of Uses and Application of Chlorophyll in the Pharmaceutical Industry," James C. Munch, of Strong, Cobb & Co., and "Studies of the Clinical Aplication of Chlorophyll Derivatives in Modern Medicine," Dr. F. Howard Westcott.

Scientific Section Topics

During the afternoon, the scientific section will hear these addresses:— "Recent Studies in the Attempt to Evaluate Usefulness of Drugs and Surgical Procedures in the Treatment of Hypertension," Dr. John H. Hafkenschiel, of the University of Pennsylvania Hospital; "Titrations in Non-Aqueous Solutions," Charles W. Pifer, of Hoffman-La Roche, and "The Role of Market Research in the Research and Development Program," Richard L. Hull, of Smith, Kline & French Laboratories.

The marketing section will meet on February 4 with Tom Brown, of Hoffman-La-Roche, acting as chairman. The following talks are scheduled for the morning session: "How We Train Our Sales Staff," Mark Cundiff, of Parke, Davis & Co.; "How to Think Like A Sales Manager," Burton Bigelow, of the Burton Bigelow Organization; "How to Motivate the Man," Dr. Austin L. Joyner, of Lederle Laboratories; and "How to Use Market Research in Your Business," Burton V. Levee, of the A. C. Nielsen Company.

Talk on Management Engineering

The afternoon session will open with the presentation of a paper entitled, "How to Use the Management Engineering Approach to Executive Self Improvement," by Edward Walter, of Management Development Associates, to be followed by a talk on "What's New in Pharmaceutical Advertising?" by R. B. McCurry, of Abbott Laboratories.

The concluding part of the afternoon session will feature three talks on "What of the Media?" Robert Wilson, of Robert E. Wilson, Inc., will speak on "The Mail." John B. Johnson, of Cortez F. Enloe, Inc., will have as his topic "The Journal" and William L. Arscott, of E. R. Squibb & Sons, will speak on "The Man."

Phila. Drug Exchange Gives Medal to Anslinger Feb. 5

The Philadelphia Drug Exchange will award its Procter medal to Harry J. Anslinger, commissioner of the Bureau of Narcotics, at its ninety-second annual dinner in the Warwick hotel, Philadelphia, February 5. The organization will hold its annual meeting at the Downtown Club, Philadelphia, on January 27, it has been announced.

CSMA Meets Wednesday

The Chemical Specialties Manufacturers Association will hold a luncheon meeting Wednesday in the Roosevelt hotel, New York. A reception will take place at noon, followed by the luncheon. Charles Hodges, professor of international politics at New York University, will speak on "What's Ahead in '53."

Equipment Meeting Tonight

The Process Equipment Dealers Council will meet tonight at the Statler hotel, New York. Dinner will be served at 7 p.m.

How important is CARBON DISULFIDE (Bisulfide) to your operation?

Baker, pioneers of the electro-thermic method, assures you CS_2 of highest purity and uniformity—at low cost.

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CARBON DISULFIDE TECHNICAL

Carbon Disulfide (CS_2) Content Dry Basis	99.9%
Boiling Range	0.5° C.
Recorded Boiling Point	46.3° C.
Residue after Evaporation	0.0014%
Foreign Sulfides and Dissolved Sulfur	Passes ACS Test
Sulfite and Sulfate (as SO_2)	Passes ACS Test
Specific Gravity at 15°/15° C.	1.270–1.275

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Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, January 16 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

...acia (see Gum arabic)
Acenaphthene below 92.5 C., m.p., dms. works lb. .40 - —
over 92.5 C., m.p., bbls., dms., works lb. .41 - .50
Acetaldehyde, 99% dms. c.l. trt. equald lb. .1250- .1435
t.c.l. frt. equald ..... lb. .1350- .1535
tanks, frt. equald ..... lb. .1050- .1300
Acetaldol (see Aldol)
Acetanilide tech. bbls. c.l., dlvd lb. .26½- —
t.c.l., ton lots ..... lb. .27½- —
smaller lots ..... lb. .30½- —
USP, bbls, 2,000-lb. lots .... lb. .61 — —
smaller lots ..... lb. .62 .67
Acetic, anhydride, dms., c.l., dlvd. E. lb. .16 - —
t.c.l. frt alld E ..... lb. .17½- —
tanks, frt. alld E ..... lb. .14½- —
Acetoacetanilide fib dms. c.l dlvd. lb. .73 - —
t.c.l., dlvd ..... lb. .74 - —
Acetoacetorthochloroanilide, fib. dms., c.l. dlvd lb. 1.14 - 1.22
t.c.l., dlvd ..... lb. 1.15 - 1.23
Acetoacetorthotoluidide, fib dms., c.l. dlvd lb. .78 - —
t.c.l., dlvd ..... lb. .79 - —
Acetone, CP dms., c.l., dlvd .. lb. .10¼ - .11¾
t.c.l., dlvd ..... lb. .11 - .12½
tanks, dlvd ..... lb. .08½- .10
Methyl (see M)
Acetonitrile, dms., c.l. works .. lb. .45 - —
t.c.l., works ..... lb. .47 - —
Acetophenetidin USP bbls. works, frt. equald. lb. 1.15 - 1.17
Acetophenone, cns. dms. lb. 1.35 1.85
tech. dms. t.c.l. works lb .75 —
Acetyl (N) para-aminophenol, dms., frt. adjusted lb. 1.50 1.60
Acetyltributyl citrate, tech. dms., c.l lb. .37½- —
t.c.l ..... lb. .38½- —
tanks ..... lb. .36 - —
Acetyltriethyl citrate tech. dms., c.l lb. .37½- —
t.c.l. ..... lb. .38½- —
tanks ..... lb. .36 - —
Acid, abietic, com'l, dms., c.l., works lb. .12 - —
t.c.l., works ..... lb. .1390- —
cryst., dms., c.l., works .... lb. .06½- —
t.c.l., works ..... lb. .07 - .07½
Acetic, com'l or redist., 28%, bbls 100 lbs. 5.50 - —
56%, bbls ..... 100 lbs. 9.65 - —
70%, bbls ..... 100 lbs. 11.70 - —
80%, bbls ..... 100 lbs. 12.45 - —
glacial, synthetic, CP, dms., works 100 lbs. 15.90 -16.00
cbys, inclusive, works 100 lbs. 24.00 -25.00
tech., dms, c.l., works 100 lbs 10.50 -12.50
t.c.l. works 100 lbs. 11.00 -13.50
tanks, works frt. equald 100 lbs. 9.00 -11.50
USP, dms, works 100 lbs 13.50 -14.50
Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic USP special, bbls., makers, primary distrib., point of ship't, 1000-lb lots lb. .60 - —
standard, fine cryst. gran., (30-40 mesh powd. (80 mesh), bbls same basis, lb. .55 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib dms., works ..... lb. .30½- —
Aminoacetic NF bbls., frt. adjusted lb 1.50 1.75
Anthranilic, resub. bbls ..... lb 2.10 - —
tech. bbls. frt equald .... lb 1.10 - —
Arsenous, tech (see Arsenic, white)
USP (see Arsenic trioxide)
Ascorbic USP dms., 25-50 kilo lots, kilo 21.00 - —
10-kilo lots ..... kilo 21.35 - —
5-kilo lots ..... kilo 21.75 - —
bots., 1-kilo lots ..... kilo 22.00 - —
500-gram lots ..... kilo 22.50 - —
Battery, cbys, c.l., works, E. 100 lbs 2.40 - —
t.c.l., works, E ..... 100 lbs. 2.80 - 6.20
Benzoic, tech., bbls., dms., 100-lb. lots or more lb. .425 - .450
USP, bbls, dms, 100-lb. lots or more lb. .525 - .540
Betahydroxynaphthoic (see Acid, betaoxynaphthoic).
Betaoxynaphthoic, bbls., works lb. 1.14 - —
Boric, tech, 99½% cryst., bgs., c.l., works ..... ton. 120.75 - —
ton lots, ex whse., N. Y. or Chi ton. 166.50 - —
less ton lots same basis, ton. 171.50 - —
bbls., c.l., works ton. 145.25 - —
ton lots, ex whse., N. Y. or Chi ton. 191.00 - —
less ton lots same basis, ton. 196.00 - —
bulk, c.l., works ton. 116.75 - —
gran., bgs., c.l. works ton. 95.75 - —
ton lots, ex whse., N. Y. or Chi ton. 141.50 - —
less ton lots same basis, ton. 146.50 - —
bbls., c.l., works ton. 120.25 - —
ton lots ex whse., N. Y. or Chi ton. 166.00 - —
less ton lots same basis, ton. 171.00 - —
bulk, c.l., works ton. 91.75 - —
powd., bgs., c.l. works ton. 100.75 - —
ton lots, ex whse., N. Y. or Chi ton. 146.50 - —
less ton lots same basis, ton. 151.50 - —
bbls, c.l., works ton. 125.25 - —
ton lots ex whse., N. Y. or Chi ton. 171.00 - —
less ton lots, same basis, ton. 176.00 - —
bulk, c.l. works .... ton. 96.75 - —
USP $25 per ton higher.

Acid, broenner's, bbls ..... lb. 1.47 - —
Butyric, 99%, dms., c.l., works, lb. .34 - —
t.c.l., works ..... lb. .34½- —
tankcars, works ..... lb. .32½ - —
Cacodylic, bots ..... lb 10.50 13.00
Camphoric, natural, dms .... lb. 4.00 4.75
synth, dms ..... lb 4.00 4.75
Capric, 90%, dms ..... lb. .32¼- .33½
Caprylic, 90%, dms ..... lb. .32¼- .33½
Cassello, dms, frt alld ..... lb 1.44 —
Castor oil, dms ..... lb. .22½- .23
Chicago, bbls, frt alld ..... lb 1.21 —
Chlorosulphonic, dms, c.l., frt. equald lb .039 —
t.c.l. frt equald ..... lb .044 .059
tanks, frt equald ..... lb .034 —
Cholic, 10 to 25-lb. lots, fiber dms. lb. 10.75 -10.85
Chromic, 99½-99¾% dms, c.l., works lb. .27 .27½
t.c.l., works ..... lb. .27½- .28½
NF (see Chromium trioxide)
Cinnamic, refd bots ..... lb .3.50 3.50
Citric, anhyd, gran, fine gran., dms., c.l lb. .26½- —
10,000-lb. lots, 1 ship't. lb. .27 - —
smaller lots ..... lb. .27½- —
USP, gran, fine gran, dms., c.l lb. .24½- —
10,000-lb. lots, 1 ship't. lb. .25 - —
smaller lots ..... lb. .25½- —
kgs ..... lb. .26½- —
Anhydrous and USP powdered citric acid, ½c. per lb higher.
Cleves, mixed bls ..... lb. .75 —
Coconut oil, dist., dms ..... lb. .22¾- .23½
tankcars ..... lb. .21 - .21¾
double dist., dms ..... lb. .23¾- .24½
tankcars ..... lb. .22 - .22½
Corn oil, dist., dms ..... lb. .12 - .12¾
tanks ..... lb. .10¼- —
Cottonseed oil, dist., dms .... lb. .12 - .12¾
double, dist., dms ..... lb. .12½- .13¼
Cresylic, coaltar, dom., 50% 207°C or above, ret. dms., c.l., frt. equald gal. .98 - —
t.c.l., same basis .. gal. 1.03 - —
non-ret. dms., c.l., same basis gal. 1.01 - —
t.c.l., same basis .... gal. 1.04 - —
tanks, same basis .... gal. .90 - —
204° to 207°C, ret. dms., c.l., same basis gal. 1.03 - —
t.c.l., same basis .. gal. 1.08 - —
non-ret. dms., c.l., same basis gal. 1.06 - —
t.c.l., same basis .... gal. 1.09 - —

Acid, cresylic, coaltar, dom., 204° to 207°C., tanks, same basis gal. .95 - —
imp., 75% at 215°C. or over, dms., ex., whse. gal. .85 - .95
petroleum, dom., 195° to 213°C, non ret. dms., c.l. San Francisco and Los Angeles gal. .71 - —
t.c.l., same basis gal. .73 - .75
tanks same basis gal. .58 - —
200° C to 222° C, tanks, Wilmington, Cal gal. .58 - .63
211° C to 236° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 - —
t.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —
220° C to 242° C, tanks, Wilmington Cal gal. .50 - .53
245° C to 298° C, tanks, Wilmington Cal gal. .46 - —
Crotonic, fib, dms., works .... lt. .45 - —
Cyanoacetic, tech, bots ..... lb. .90 - 1.25
Dehydrocholic, injection, fib, dms., 10 to 100-lb. lots lb. 25.00 -25.50
oral, fib., dms., 10 to 100-lb. lots lb. 18.40 -18.45
Desoxycholic, fib, dms., 10 to 100-lb. lots lb. 23.50 - —
Dichlorophenoxyacetic (see under "D" 2,4-D).
Diethylbarbituric (see Barbital)
Digilycolic, bgs, works ..... lb. .14 - —
Ethylhexoic, dms, c.l., works lb. .35 - —
t.c.l. works ..... lb. .35½ - —
tanks works ..... lb. .33½- —
F, crude, paste, bbls., works lb. 1.67 - —
Folic, bots, fib cns, kilo or more gram 1.60 —
Formic, 85% cbys, c.l. works lb. .142 .17
t.c.l., works ..... lb. .14½- .22
90%, cbys, c.l. works .... lb. .1475- .1750
t.c.l., works ..... lb. .15 - .23½
Fumaric, esb bbls dms ..... lb .37 .38
Gallic, NF VII bbls, 1,000-lb. lots, lb 1.80 —
smaller lots ..... lb 1.82 2.00
technical, bbls., 1,000-lb lots lb 1.58 - —
smaller lots ..... lb 1.69 1.78
Gamma, dry, ground, bbls., frt. alld lb 1.50 - —
paste, bbls, frt alld ..... lb 1.45 - —
Gentisic, 100-lb fib dms .... lb 8.50 - —
Gluconic, tech 50% bots .... lb. 23½ .31½
dms ..... lb. .14½- —
cbys. ..... lb. .17½- —
Glutamic, 99½% laevo, fib, dms., 100 lb lots works lb 2.45 2.53
25-lb lots, works lb. 2.60 2.68
Glycerophosphoric, 35%, dms., works lb 2.25 2.35

Acid, glycolic (see Acid, hydroxyacetic).
H, bbls., works, basis 100% .... lb. .82 - —
Hydriodic, 1.50 s.g. cbys .... lb 2.67 - —
1.70 s.g. cbys ..... lb 2.98 - —
Hydrobromic, medicinal, 48%, cbys, dlvd E lb .37 .43
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., frt. alld .. lb. .75 - .95
dilute, NF, 2%, 5-lb bots ..... lb. .40 - —
Hydrofluoric, anhyd., cyls., works, lb. .24 .25
tanks, works ..... lb. .18 - —
70%, steel dms., works .... lb. .1535- .1955
Hydrofluosilicic, 30-35%, bbls., works lb. .07 - —
Hydroxyacetic, tech 70%, bbls., non-return, Phila., basis 100% lb. .12 - —
tanks, Belle, W. Va., basis 100% lb. .085 —
Hypophosphorous, purif., 50%, cbys lb. 1.30 1.32
USP, cbys ..... lb .88 —
Isonicotinic, 100 lb fib dms, works lb. 10.00 —
J, bbls., works, basis 100% .. lb. 2.50 2.85
Koch, bbls, frt alld ..... lb. .64 .70
L, bbls frt alld ..... lb 1.25 —
Lactic, edible, 50% bbls., 20 or more lb .17 .20
smaller lots ..... lb. .17½ .21
80%, bbls., 5 or more .. lb. .30 .3640
less than 5 bbls ..... lb. .305 .3690
plastic grade 50% bbls., 20 or more works lb .21¾ —
1 to 19 ..... lb. .22¼ .22¾
80% bbls., 5 or more .... lb. .3315- —
tech., 22% bbls. c.l., works, 100 lbs 6.20 —
t.c.l., works ..... 100 lbs. 6.70 —
cbys, works ..... 100 lbs 7.50 12.20
44%, bbls, c.l. works 100 lbs 11.45 11.95
t.c.l., works ..... 100 lbs. 11.85 12.50
NF, 85% cbys ..... lb. .85 .88
Laurent's, bbls ..... lb .60 .87
Lauric, 99%, dms ..... lb. .33¾- .34½
60%, dms ..... lb. .23¼- .24
Linseed oil, dist., dms ..... lb. .2050- .2110
water-white, dms ..... lb. .2360- .2410
Maleic, cryst, powd, dms. .. lb. .37 .38
Malic, tech., dms ..... lb. .50 —
Mandelic, NF dms, 1,000-lb lots, lb 2.35 —
smaller lots ..... lb 2.40 2.50
Metanilic, dms., works ..... lb. .57 .75
Methacrylic, dms, c.l. and truckloads, works lb 70 —
less than truckload, works lb 70½ .80
Molybdic, 85-92%, dms, works lb. 1.27 - —
Monochloroacetic, purified, flake, 99% dms lb. .23½ .25½
tech., flake, 98-97% dms lb .20 .22
Muriatic, 18° cbys, c.l. works 100 lbs 2.45 2.80
t.c.l., dlvd Metropolitan area 100 lbs 3.50 4.30
tanks, works ton 25.00 -29.00
20°, cbys, c.l., works 100 lbs 2.70 3.05
t.c.l., dlvd Metropolitan area 100 lbs 3.50 4.30
tanks, works ton 27.00 -33.00
22°, cbys., c.l., works 100 lbs 3.30 3.40
t.c.l., dlvd Metropolitan area 100 lbs. 3.50 4.30
tanks, works ton 32.00 36.00
CP, USP, consumers, cbys., c.l., works, lb. extra .11¾ —
t.c.l. same basis lb. 13¼ 13¾
5 pint bottles, extra, cs., c.l., same basis lb. 16¾ —
t.c.l., same basis lb. .19¼- —

Acid, muriatic, CP, USP, prices to dealers 1½c per lb. less.

Myristic, dms ..... lb. .28¼- .30¼
Naphthenic, 220-230 acidity, dms., works lb. .14 —
tanks, works lb. .12 —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol(1)-5-sulphonic (see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma).
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broenner's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms., frt. alld lb 1.05 - —
Nicotinic, USP dms, frt adjusted kilo 9.00 9.30
Amide (see Nicotinamide).
Nitric, 36° Be cbys, c.l. works, E. 100 lbs 5.00 —
t.c.l., works E 100 lbs. 5.30 -11.10
38° Be cbys., c.l., works E 100 lbs. 5.50 —
t.c.l. works E 100 lbs. 5.80 -11.60
40° Be cbys., c.l., works E 100 lbs. 6.00 6.50
t.c.l. works E 100 lbs 6.30 -12.10
42° Be cbys., c.l., works E 100 lbs. 6.50 7.00
t.c.l., works E 100 lbs. 6.80 -12.60
60% HNO_3, tanks, works, basis 100% 100 lbs. 3.25 —
95% HNO_3, tanks, works, basis 100% 100 lbs. 4.25 - —
CP, NF consumers, cbys., extra c.l. works lb. .13½- —
t.c.l., same basis lb. .15 - .15¼
5 pint bottles, extra, cs., c.l., same basis lb. .17½- —
t.c.l., same basis .... lb. .19 - .25
Oleic, single distilled, dms .... lb. .13 - .13¾
tanks ..... lb. .11¼- —
double distilled (white), dms lb. .15½- .16¼
tanks ..... lb. .13¾- —
Oleum (see Acid, sulphuric, fuming).
Orthochlorobenzoic, fib dms., works lb. 1.13 - —
Orthocresotinic, dms, ton lots, works lb. .66 - —
smaller lots, works ..... lb. .68 - —

Acacia—Acid, Orthocresotinic

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dest-dist.	destructive-distilled	neut.	neutral
		dextro	dextrorotatory	NF.	National Formulary
alld.	allowed	dist.	distilled		
ammo.	ammonia	distr.	distributor	No.	number
amorph.	amorphous	djns.	demijohns	nom.	nominal
AMP.	American melting point	dlvd.	delivered	ord.	ordinary
		dms.	drums	oz.	ounce
anhyd.	anhydrous	dom.	domestic	Pac.	Pacific
a.p.a.	available phosphoric acid	E.	east	pf.	proof
		e.p.	end point	phos.	phosphate
artif.	artificial	equald.	equalized	photo.	photographic
ASTM.	American Society for Testing Materials	F.	fahrenheit	pkgs.	packages
		ferment.	fermentation	powd.	powdered
		ffa.	free fatty acid	precip.	precipitated
Be.	Baume	ffc.	free from chlorine	prod.	producer
bbls.	barrels			pt.	point
bgs.	bags	fib.	fiber	pulv.	pulverized
bls.	bales	f.o.b.	free on board	purif.	purified
bots.	bottles	FPA.	free of prussic acid	redist.	redistilled
b.p.	boiling point			refd.	refined
b.p.l.	bone phosphate of lime	frt.	freight	refy.	refinery
		fus.	fused	reg.	regular
b.r.	boiling range	gal.	gallon	resub.	resublimed
bxs.	boxes	gran.	granular	ret.	returnable
C.	centigrade	grd.	ground	SD.	specially denatured
cbys.	carboys	i.&a.	iron and aluminum	s.d	single distilled
CD.	completely denatured	i.b.p.	initial boiling point	S. E.	southeast
				secs.	seconds
c.i.f.	cost, insurance, freight	imp.	imported	s.g.	specific gravity
		incl.	included	shipt.	shipment
cks.	casks	indust.	industrial	solut.	solution
c.l.	car lots	kgs.	kegs	s.u	standard unit
cns.	cans	lacq.	lacquer	synth.	synthetic
col.	color	lb.	pound	tanks.	railroad tankcars
coml.	commercial	l.c.l.	less than car lots	tech.	technical
conc.	concentrated	liq.	liquid	USP.	U. S. Pharmacopoeia
CP.	chemically pure	m.a.p.	mixed anilin point		
cps.	centipoises	M c.f.	thousand cubic feet	vis.	viscosity
cryst.	crystal			VM&P	varnish makers & painters
cs.	cases	min.	minimum		
ctns.	cartons	m.p.	melting point	W	west
cyls.	cylinders	N.	nitrogen	whse.	warehouse
dbl.	double	nat.	natural	w.w.	water white
denat.	denatured				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material

Acid, Oxalic—Alcohol, Isopropyl

Acid, oxalic, bbls., c.l., works . lb. .1575- .1590
10,000-lb. lots, works . lb. .16 - .1615
smaller lots, works . lb. .17 - .1715
Palm oil, double dist., dms . lb. .12¼- .13
Para-aminobenzoic, tech., dms., lb. 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb. 3.50 - —
smaller lots . lb. 3.55 - 3.75
Para-aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted . lb. 4.25 - —
smaller lots, same basis . lb. 4.30 - 4.75
Parachlorobenzoic, 6b dms., works lb. 1.59 - 1.62
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic, dms . lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Phenylacetic, bots . lb. 1.45 - 1.75
tech., dms., 1,000-lb. lots . lb. .90 - —
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works 100 lbs. 7.00 - 7.10
l.c.l., works . 100 lbs. 7.50 - 8.00
tanks, works . 100 lbs. 4.90 - 5.00
NF, 85%, cbys., c.l., works . lb. .08 - .08¼
l.c.l., works . lb. .08½- .09¼
Picric, NF 300-lb. bbls . lb. .55 - —
dms., small . lb. .51 - .57
tech., bbls . lb. .32 - .33
Propionic, synthetic, pure, dms., c.l., works lb. .258 - —
l.c.l., works . lb. .263 - —
tanks, works . lb. .19 - .243
Pyrogallic, NF, (see Pyrogallol)
tech., bbls . lb. 2.76 - 2.99
Pyroligneous, dms., incl., l.c.l., works gal. .36 - —
whse. . gal. .504 - —

Acid, ricinoleic (see Acid, castor oil, split).
S, bbls., works . lb. 3.25 - —
Salicylic, crude, bgs . lb. .38 - —
sublimed, tech., bbls., c.l. . lb. .37 - —
l.c.l. . lb. .44 - —
dyestuffs grade, bbls . lb. .39 - —
USP, cryst., bbls . lb. .46 - —
powder, bbls . lb. .51 - —
Sebacic, purified, dms., c.l., works, lb. .93 - —
l.c.l., works . lb. .93½- .95
Soybean oil, double dist., dms lb. .13½- .14¼
single, dist., dms . lb. .13 - .13¾
Stearic, double pressed, bgs . lb. .11½- .12¾
single pressed, bgs . lb. .11 - .12¼
triple-pressed, bgs . lb. .13¾- .15
Succinic, purified, cryst., bbls., works lb. .63 - .75
Sulphanilic, tech., dms., c.l., frt. alld . lb. .18 - —
l.c.l., frt. alld . lb. .20 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.75 - —
l.c.l., works . 100 lbs. 2.05 - 2.85
tanks, works . ton 16.30 - —
66° Be, cbys., c.l. works 100 lbs 2.00 - 2.10
l.c.l. works . 100 lbs 2.30 - 3.10
tanks, works . ton 20.00 - —
96-100%, tanks, works . ton 21.00 - —
CP, NF, consumers cbys. extra, c.l., works, frt. equald. lb. .09¾- —
l.c.l., same basis . lb. .11¼- .11¾
5 pt. bots., extra, cs., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis lb. .14¾- .20¾
fuming, 20%, tanks, works . ton 22.40 - —
Tallow, dist., dms . lb. .10 - .10¾
hydrogenated, dms . lb. .11 - .11¾

Acid, tannic, NF, fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots . lb. 1.65 - 1.76
powder, bbls., 1,000-lb. lots lb. 1.50 - —
smaller lots . lb. 1.51 - 1.69
tech., dms . lb. .95 - —
Tartaric, USP, dom., 330, 250-lb., dms., c.l. lb. .37 - —
10,000-lb. lots, 1 ship't. lb. .37½- —
smaller lots . lb. .38 - —
100-lb. dms . lb. .39 - —
small dms . lb. .41 - .47
imported, bgs . lb. .28 - —
Thioglycolic, refined, bgs., cbys., basis 100% lb. 1.60 - 1.86
Tobias, bbls., frt. alld . lb. .74 - —
Toluenesulphonic, dms., c.l., works works lb. .16 - —
l.c.l., works . lb. .17½- —
Trichloroacetic, bots . lb. 2.00 - 2.50
Trichlorophenoxyacetic (see under "T" 2,4,5-T)
Tungstic, tech., kgs., works . lb. 4.30 - —
Undecylenic, dms . lb 1.40 - —
Aconite leaves, bls . lb. .35 - .40
root, bls . lb. .65 - .75
Aconitine, amorph., mild, bots . oz. 27.50 - 32.50
cryst., potent bots . oz. 78.00 - 85.00
Acrolein, dms., works . lb. .47½- —
Acrylonitrile, dms., c.l., works . lb. 44½- —
l.c.l. works . lb 45 - .47
tanks, works . lb 43 - —
ACTH, bots . gm. 25.00 - —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls . lb. 22 - .24
Adrenocorticotropic hormone—see ACTH
Agar, USP, Kobe No. 1 strip, bls. lb. 2.25 - —
powdered, 30 mesh, 6b, dms. lb. 2.25 - 2.50
Agaric, white, bls . lb. 2.25 Nom.
Agrimony herb, bls . lb. .25 - .30
Alanine, dextro-laevo, dms., works. lb. 8.50 - 11.00

Albumen (egg), edible, flake, bbls., lb. 2.61 - 2.63
powder, bbls . lb. 2.65 - 2.67
tech., cryst., bbls . lb. 1.01 - 1.06
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. . lb. .70 - .80
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd. . lb. .31¾- —
l.c.l., dlvd . lb. .32½- —
tanks, dlvd. . lb. .30 - —
Amyl, ex fusel oil (see Fusel oil, ref.)
ex pentane, dms., c.l., frt. alld. E. of Rockies . lb. .16¾- —
l.c.l., frt. alld. E. of Rockies . lb. .17½- —
tanks, frt. alld. E. of Rockies . lb. .15 - —
fermentation, ref'd., 126°-132°C, dms., c.l., dlvd. . lb. .32¾- —
l.c.l., dlvd . lb. .33¾- .36
tanks, dlvd . lb. .31 - —
128-132° C. dms., l.c.l., dlvd. lb. .33¾- .36
ACS grade, dms., l.c.l., dlvd lb. .35¾- —
synthetic, normal, dms., c.l., works lb. .42 - —
l.c.l., works . lb. .43 - —
tanks, works . lb. .40 - —
secondary, dms., c.l., frt. alld. E . lb. .23¼- —
l.c.l., frt. alld. E . lb. .24 - —
tanks, frt. alld. E . lb. .21½- —
tertiary, dms., c.l., frt. alld. E. lb. .19¾- —
l.c.l., frt. alld. E . lb. .20½- —
tanks, frt. alld. E . lb. .18 - —
Benzyl, NF, dms . lb. .64 - .79
tech., dms. dlvd . lb. .47½- .49
Butyl, fermentation, normal, dms., c.l., frt. alld lb. .14¾- —
l.c.l., frt. alld . lb. .15½- —
tanks, frt. alld . lb. .13 - —
synthetic normal, dms., c.l., frt. alld lb. .14¾- —
l.c.l., frt. alld . lb. .15¼- —
tanks, frt. alld . lb. .13 - —
secondary, dms., c.l., frt. alld. lb. .12¾- —
l.c.l., frt. alld . lb. .13½- —
tanks, frt. alld . lb. .11 - —
tertiary, dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld . lb. .14½- —
tanks, frt. alld . lb. .12 - —
Capryl, 85%, dms., c.l., works . lb. .15 - —
l.c.l., works . lb. .15½- —
tanks, works . lb. .13½- —
95%, dms., c.l., works . lb. .16½- —
l.c.l., works . lb. .17 - —
tanks, works . lb. .15 - —
Cetyl, extra, 6b., cns., 500-lb. lots or more lb. 1.32 - —
smaller lots . lb. 1.37 - —
NF, 6b., cns., 140-lb. lots or more lb. .72 - .90
smaller lots . lb. .72 - 1.00
Cinnamic, bots . lb. 2.25 - 3.20
Decyl, bots . lb. 1.70 - 2.00
Denatured, CD12, CD13, CD14, dms., c.l., dlvd. E. of Rockies gal. .54½- .68½
l.c.l., dlvd., same basis gal. .58½- .72½
tanks, dlvd., same basis . gal. .42½- .56½
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Rockies . gal. .55 - .69½
l.c.l., same basis . gal. .59 - .78½
tanks, same basis . gal. .43 - .57½
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.
SD1, dms., c.l., dlvd. E. of Rockies . gal. .55 - .69
l.c.l., same basis . gal. .59 - .78
tanks, same basis . gal. .43 - .57
SB2B, dms., c.l., dlvd. E. of Rockies . gal. .53 - .68
l.c.l., same basis . gal. .57 - .77
tanks, same basis . gal. .41 - .56
SD3A, dms., c.l., dlvd. E. of Rockies . gal. .53 - .67
l.c.l., same basis . gal. .57 - .76
tanks, same basis . gal. .41 - .55
SD23A, dms., c.l., dlvd. E. of Rockies . gal. .55½- .69
l.c.l., same basis . gal. .59½- .73
tanks, same basis . gal. .43½- .57
SD23H, dms., c.l., dlvd. E. of Rockies . gal. .55½- .69¼
l.c.l., same basis . gal. .59½- .78½
tanks, same basis . gal. .43½- .57½
SD29-1, dms., c.l., dlvd. E. of Rockies . gal. .53½- .68½
l.c.l., same basis . gal. .57½- .77½
tanks, same basis . gal. .41½- .56½
SD30, dms., c.l., dlvd. E. of Rockies . gal. .52½- .66½
l.c.l., same basis . gal. .56½- .75½
tanks, same basis . gal. .40½- .54½
SD35A, dms., c.l., dlvd. E. of Rockies . gal. .55½- .70
l.c.l., same basis . gal. .59½- .79
tanks, same basis . gal. .43½- .58
SD40, dms., c.l., dlvd. E. of Rockies . gal. .54 - .68½
l.c.l., same basis . gal. .58 - .77½
tanks, same basis . gal. .42 - .56½
Diacetone, acetone free, dms., c.l., dlvd . lb. .13¾- —
l.c.l., dlvd . lb. .14½- —
tanks, dlvd . lb. .12 - —
tech., dms., c.l., dlvd . lb. .13¼- —
l.c.l., dlvd . lb. .14 - —
tanks, dlvd . lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies. gal. 20.47 - 20.62
l.c.l., same basis . gal. 20.51 - 20.71
tanks, same basis . gal. 20.35 - 20.50
tax free, dms., c.l., dlvd. E. of Rockies . gal. .52 - .67
l.c.l., same basis . gal. .56 - .76
tanks, same basis . gal. .40 - .55
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies, gal. 21.57 - 21.72
c.l., same basis . gal. 21.61 - 21.81
tanks, same basis . gal. 21.45 - 21.60
Ethylbutyl, dms., c.l., works . lb. .29¼- .29½
l.c.l., works . lb. .30 - —
tanks, works . lb. .28 - —
Ethylhexyl, dms., c.l., dlvd. E . lb. .27¾- —
l.c.l., same basis . lb. .28¾- —
tanks, same basis . lb. .26¼- —
Furfuryl, tech., cns., works . lb. .31 - —
dms., c.l., works . lb. .22½- —
l.c.l., works . lb. .24 - —
tanks, works . lb. .19½- —
Isoamyl (see Alcohol, amyl, fermentation, refined).
Isobutyl, dms., c.l., dlvd . lb. .13¾- —
l.c.l. dlvd . lb. .14½- —
tanks, dlvd . lb. .12 - —
Iso-octyl, dms., c.l., dlvd . lb. .28¼- —
l.c.l. dlvd. . lb. .27 - —
tanks, dlvd. . lb. .24½- —
Isopropyl, refd., 91%, dms., c.l., dlvd . gal. .50½- .54
l.c.l., dlvd . gal. .55½- .59
tanks, dlvd . gal. .38½- .42
95%, dms., c.l., dlvd . gal. .52¾- .55½
l.c.l., dlvd . gal. .57¾- .59½
tanks, dlvd . gal. .40¾- .59½
99%, dms., c.l., dlvd . gal. .55 - .59
l.c.l., dlvd . gal. .60 - .64
tanks, dlvd . gal. .43 - .47

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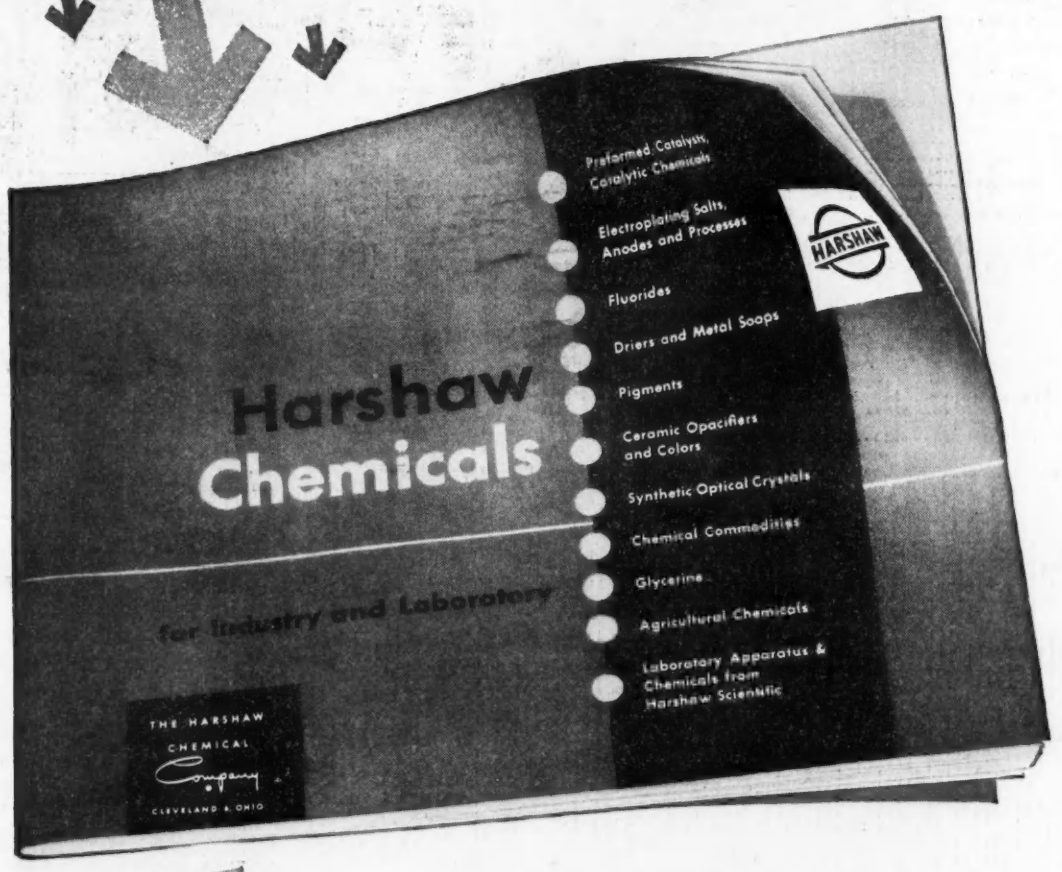

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Alcohol, lauryl, bots.....lb. 2.00 - 2.50
Methyl 4see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl).
Octyl, perfumer's grade, bots..lb. 1.70 - 3.25
technical (see Octanol normal).
Pentothenyl (see Panthenol).
Phenylethyl, dms.....lb. 1.57 - 2.15
Polyvinyl, various grades, bgs., ton lots, works..lb. .72½- .76
smaller lots, works...lb. .77½- .81
Propyl, normal, dms., c.l., dlvd. lb. .12 - —
l.c.l., dlvd.....lb. .18 - —
tanks, dlvd.....lb. .10 - —
Tetrahydrofurfuryl, cns., Waverly, N. Y...lb. .40½- —
dms., Niagara Falls, N. Y...lb. .42½- —
l.c.l., Waverly, N. Y...lb. .45 - —
tanks, Niagara Falls, N. Y.lb. .40 - —
Industrial grade, dms. c.l., Niagara Falls, N. Y..lb. .29 - —
l.c.l., Waverly, N. Y...lb. .30 - —
tanks, Niagara Falls, N. Y.lb. .27 - —
Aldol, 95%, dms., works.....lb. .23 - —
denaturing grade, dms.....gal. 2.15 - —
Aldrin, 60% solut., dms., c.l., works, frt. alld..lb. .64½- —
l.c.l., works, frt. alld.....lb. .76½- —
Aletris root, bgs.....lb. 1.20 - 1.25
Algin (see Sodium alginate).
Alkanet root, bgs.....lb. .45 - .46
Allethrin, 100%, dms., frt., alld..lb.32.00 - —
90%, dms., frt. alld.....lb.28.80 - —
solution, 20%, dms., 100-lb. lots, frt. alld...lb. 6.65 - —
2½%, dms., frt. alld.....gal. 6.00 - —
Allspice (see Pimento).
Allyl bromide, cbys., works.....lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd.....lb. .16¾- —
l.c.l., dlvd.....lb. .17½- —
tanks, dlvd.....lb. .15 - —
Starch, solid, dms., works.....lb. .52¼- .54¼
solution, 40% toluol-butanol, dms., works..lb. .25½- .26¼
Aloe, Cape, cs.....lb. .28 - .30
powdered cs.....lb. .44 - .45
Curacao, kgs.....lb. .50 - .53
Socotrine, kgs.....lb. .25 - .35
Aloin, USP, bb'ls, dms., kgs...lb. 4.25 - 4.70
Alphanaphthol, bbls, frt. alld....lb. .85 - —
Alphanaphthylamine, bbls., frt. alld. lb. .43 - —
Alphanitronaphthalene, bbls., frt. alld lb. .41 - —
Alphapicoline, ret. dms., c.l., works, frt. equald..lb. .39½- —
l.c.l., works, frt. equald.....lb. .40 - —
Alphapinene, tanks, South, works.. gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd. &. lb. .17 - —
Alphatocopherol, bots.....kilo.250.00 - —
Acetate, bots.....kilo.250.00 - —
Althea root, NF, peeled, bls....lb. .20 - .33
Alum, ammonium, gran., bgs., works..100 lbs. 3.90 - —
lump, dms., works....100 lbs. 4.55 - 4.95
powd., dms., works....100 lbs. 4.70 - 5.10
USP, burnt, dms.....lb. .20 - .21
hydrous, dms.....lb. .07¾- .08
Potassium, gran., bgs., works. 100 lbs. 4.05 - —
lump, dms., works....100 lbs. 4.60 - 5.20
powd., dms., works....100 lbs. 4.95 - 5.35
USP, burnt, dms.....lb. .20 - .21
hydrous, dms.....lb. .07¾- .08
Potash-chrome, dms.....lb. .17 - —
Sodium, dms., c.l., works 100 lbs. 4.60 - —
l.c.l., works.....100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works. lb. .0625- —
l.c.l., works.....lb. .0410- .0510
crystalline (see Aluminum oxide).
Aluminum acetate, basic solut., 24%, bbls., l.c.l., works lb. .14 - —
Chloride, com'l, anhyd., dms., c.l., works, frt. equald lb. .13 - —
l.c.l., works, frt. equald. lb. .1550- —
cryst., dms., c.l., works...lb. .1060- —
l.c.l., works.....lb. .1070- —
solution, 32°, cbys., c.l., works. lb. .0360- —
l.c.l., works.....lb. .0435- .0960
tankcars, works...100 lbs. 2.30 - —
NF, gran., dms., works....lb. .29 - .31
Fluoride, tech., anhyd., bgs., c.l., works lb. .11¾- —
l.c.l., works.....lb. .12¾- —
Aluminum fluoride, fiber dms., 35c. per 100 lbs. higher.
Formate, basic solution, cbys lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton.60.00 - —
l.c.l., works.....ton.65.00 -35.00
light bgs. dlvd.....lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .22 - —
contract, works....lb. .21 - —
9-9½% Al_2O_3, fib. dms., works lb. .19 - —
contract, works....lb. .13 - —
dried, USP, XIV, fib., dms., works..lb. .83½- —
contract, works....lb. .79½- —
powder, tech (see Aluminum hydrate).
Laurate, precip., bbls.....lb. .44 - —
Metal, 99%+, ingots, 10,000-lb. lots. lb. .20 - —
pigs, 10,000-lb. lots.....lb. .19 - —
Oxide, amorphous (see Alumina, calcined),
crystalline, flour classified, 6-240 mesh, dms, frt. alld..lb. .14 - .15
kgs., frt. alld.....lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
238-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld.....lb. .31 - —
500 mesh, dms., frt. alld..lb. .35 - .37
kgs., frt. alld.....lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs., frt. alld.....lb. .50 - —
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd....lb. .35 - .38
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld.....lb. .15 - —
Paste, lining, extra-fine, dms lb. .59½- —
standard, dms.....lb. .41 - —
Powder, lining, extra fine, dms.lb. .97½- —
standard, dms.....lb. .68½- —
rubber grade, dms.....lb. .53½- —
unpolished, standard, dms....lb. .54½- —
varnish standard, dms.....lb. .59 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 11c. per lb for 50-lb. dm., 3c. per lb. for 10-lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.
Resinate, precip., dms., frt. alld. lb. .27½- —
Stearate, dibasic, etns., c.l....lb. .33 - —
ton lots or less.....lb. .34 - —
monobasic, etns., c.l.....lb. .33 - —
ton lots or less.....lb. .34 - —
tribasic, etns., c.l.....lb. .33 - —
ton lots or less.....lb. .34 - —

Aluminum sulphate, com'l, bulk, c.l., works..100 lbs. 1.65 - —
ground, bgs., works.....ton.33.00 - —
lump, bgs., works.....ton.36.00 - —
iron-free, bgs., c.l., works, frt. equald..100 lbs. 8.25 - —
l.c.l., works, frt. equald 100 lbs. 8.65 - 9.15
USP, gran., dms., works....lb. .13 - .15
powd., dms., works.....lb. .14 - .16
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots.....oz. 7.50 -10.00
Ambrette seed, bgs.....lb. .65 - .68
Aminoazotoluene, bbls.....lb. .94 - 1.03
Aminoethylethanolamine, dms., c.l., dlvd..lb. .46½- —
l.c.l., dlvd.....lb. .47½- —
tanks, dlvd.....lb. .45 - —
Aminomethylpropanol, cns., dms., works..lb. .60 - —
Aminophyllin, USP, 100-lb. dms..lb. 4.30 - —
Aminopyrine, USP, bots., dms lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works..ton.79.00 -82.00
pure, cyls., extra, zone 1....lb. .17 - .17½
2.....lb. .17 - .18
3.....lb. .17 - .19
4.....lb. .20 - .21
5.....lb. .16 - .19
refrigeration tanks, works..ton.80.00 -84.50
Aqua (29.4%, NH_3), dms., c.l., dlvd., Met. area..100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 4.00 - —
tanks, works, anhyd. basis..ton.90.00 - —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bgs., c.l., works, frt. equald..100 lbs. 6.25 - —
l.c.l., same basis...100 lbs. 6.65 -11.15
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 6.50 - —

Ammoniacal liquor, tankcars, works, anhyd. basis..ton.90.00 - —
Ammonium acetate, purified, dms.lb. .38 - —
Benzoate, USP, dms., bgs..4,000 lb. lots, frt. alld..lb. .80 - —
smaller lots, frt. alld.....lb. .81 - 1.08
Biborate, bbls., c.l., works....ton.312.00 - —
ton lots, ex whse.....ton.375.00 - —
less ton lots, ex whse...ton.380.00 - —
Bicarbonate, dom., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
imported, dms., l.c.l.....lb. .07¼- .08½
Bichromate, bbls., works.....lb. .34½- .38½
Bifluoride, dms., dlvd.....lb. .2035- .2160
Bromide, NF, gran., bbls.....lb. .38 - .39
dms.....lb. .39 - .42
Powdered ammonium bromide 10c. per lb higher
Carbonate, USP, lump, powd., dms lb. .23 - .24
Chloride, tech. (see Ammoniac sal).
USP, gran., bbls., dms...lb. .17¼- —
Citrate, dibasic, bbls.....lb. .75 - —
dms.....lb. .80 - .85
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms.....lb. 2.40 - —
Iodide, NF, bots., jars.....lb. 4.01 - 4.13
Linoleate, 80%, dms., works .lb. .50 - .53
Nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point..ton.72.50 - —
western, 33.5% N., bgs., f.o.b. cars, Los Angeles ton.86.34 - —
domestic, bgs., western works ton.64.00 - —
with dolomite, 20.5% N, bgs., Hopewell, Va ton.51.00 - —

Ammonium oxalate, fine gran., dms. lb. .25 - .31
Pentaborate, gran., bbls., c.l., works ton.222.00 - —
ton lots, ex whse.....ton.285.50 - —
less ton lots, ex whse ton.290.00 - —
Ammonium pentaborate powder, $10 per ton higher
Perchlorate, kgs., works.....lb. .50 - .73
Persulphate, kgs.....lb. .33 - —
Phosphate, com'l, bgs., c.l., works, frt. equald lb. .08½- —
l.c.l., same basis.....lb. .09 - —
dibasic, NF, V bbls., dms lb. .45 - —
tech., bgs., c.l., works, frt. equald lb. .06½- —
l.c.l., same basis.....lb. .09 - —
Salicylate, NF dms. kgs.....lb. 1.62 - 1.64
Silicofluoride, dms., works....lb. .11 - .12
Sulphamate, bbls., dms., works.lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens ton.44.00 -49.50
synthetic, bgs., c.l., western, works ton.50.00 -54.50
bulk, works.....ton.47.00 -49.50
purified, dms., works.....lb. .07½ - .08½
Sulphide, liq., 40-45%, dms., c.l., basis 100% works ton.211.50 - —
l.c.l. basis 100% works ton 312.50 - —
tanks, dlvd or frt. alld ton.131.50 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .18 - —
l.c.l., works.....lb. .19 - .20
Thioglycollate, com'l, cbys., basis 100% lb. 1.60 - —
highly purified, cbys., basis 100%..lb. 1.70 - 1.98

Heretofore available in experimental quantities only, the full-scale production of Emersol 241 Vegetable Elaine opens many new applications where low titer is essential. Specifications of this all-vegetable oleic acid are as follows:

Iodine Value	85-95
Titer, °C	5-10
Acid Value	191-197
Saponification Value	192-198
Color (Lovibond 5¼" cell)	15Y/3R Max.

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Emersol 212 Elaine
Emersol 220 White Elaine
Emersol 221 Low-Titer White Elaine
Emersol 233 LL Elaine
Emersol 240 Vegetable Elaine
Emersol 241 Vegetable Elaine

UNDISTILLED GRADES
Emersol 200 Saponified Red Oil
Emersol 201 Saponified Red Oil

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Ammonium thiosulphate, cryst., photo grade, 5lb. dms., frt. alld	lb.	.65	—
60% solution, dms., c.l., works	lb.	.06½-	—
Amphetamine hydrochloride dibasic, dextro, bots	lb.	32.00	—
dextro-laevo dms	lb	6.50	7.00
monobasic, dextro, bots	lb.	32.00	—
Phosphate, dibasic, dextro, bots.	lb.	32.00	—
dextro-laevo, dms	lb	6.50	7.00
Sulphate, dextro, dms	lb.	32.00	—
dextro-laevo dms	lb	6.50	7.00
Amyl acetate ex fusel oil, tech., E of Rockies	lb.	.16¾-	—
t.c.l., same basis	lb.	.17½-	—
tanks, same basis	lb.	.15	—
ex pentane dms. c.l., frt. alld. E of Rockies	lb.	.20	—
t.c.l. same basis	lb.	.21	—
tanks, same basis	lb	.18	—
Alcohol (see Alcohol amyl).			
Butyrate dms	lb.	.90	1.05
Cinnamic aldehyde, dms	lb.	1.70	2.10
Nitrite, USP, bots	lb.	1.75	1.83
Salicylate, cns., dms	lb.	.75	.95
Anethol, NF, cns., dms	lb.	1.20	1.60
Angelica root dom. bls	lb.	.60	.70
imported bls	lb.	.50	.80
Angostura bark, bls	lb.	.43	.48
Anilin oil, dms., c.l., works, frt. alld.	lb	.19	—
t.c.l., works, frt alld	lb.	.20	—
tanks, works frt alld	lb.	.18	—
Salt dms, frt alld	lb.	.30	—
Anise, Balkan, bgs	lb.	.12¼-	.13
Chinese, star, bgs	lb.	.68	Nom.
Czech, bgs	lb.	.12	.12½
Mexican bgs	lb.	.14½-	.15
Spanish bgs	lb.	.15	.15½
Syrian, bgs	lb.	.13½-	.14
Turkish bgs	lb.	.13½-	.14
Anisic aldehyde, bots, dms	lb	2.35	2.80
Annatto seed, whole bgs	lb.	.26	—
powdered dms	lb.	.28	—
Anthracene, 90-95% bbls., ton-lots, works	lb.	.80	—
smaller lots, works	lb.	.85	—
Anthraquinone, 99.5% bbls., frt. alld	lb.	.85	.88
Antimony butter (see Antimony trichloride)			
Metal, bulk, c.l., mines	lb.	.34½-	—
cases, c.l. mines	lb.	.35	—
Oxide, bgs., c.l., frt. alld	lb.	.27½-	.36
t.c.l., frt. alld	lb.	.29	.39½
Sulphide, 62-64%, bgs, dlvd	lb.	.38	.38½
Trichloride, pails, c.l., works	lb.	.43	.47
t.c.l., works	lb.	.45	.49
solution cbys., works	lb.	.29	.30
Antimony potassium tartrate (see Tartar emetic).			
Antipyrene NF dms	lb.	2.50	2.60
Apomorphine hydrochloride, USP, bots	oz.	23.40	-23.90
Areca nuts, powd., bbls	lb.	.13	.16
Arecoline hydrobromide, NF, bots. tins	oz	5.00	5.75
Arginine monohydrochloride, laevo, dms., 1 kilo lots	kilo	77.00	—
Argols, nan 50%, bgs., shipment ports, per 100 kilos, basis 100%	lb.	21.50	Nom.
Arnica flowers (true montana), bls.	lb.	.70	.71
root, bls	lb	1.45	—
Arrowroot, powd, bgs	lb.	.11	.14
Arsenic metal, lump, bbls., prompt shipt	lb.	.80	.90
Trioxide USP dms	lb.	.48	—
White, powd., bbls., c.l., dlvd	lb.	.05½-	—
l.c.l., dlvd.	lb.	.06½-	.07⅛
Asafetida, cs	lb.	.32	.35
powd, bbls, dms	lb.	.50	.53
Asbestine (see Talc, fibrous, N Y.).			
Asbestos, Canadian, crude, No. 1, c.l. (20 tons) mines	ton	1,300.00	—
No 2 c.l (20 tons) mines	ton	675.00	—
Run-of-mine c.l (20 tons), mines	ton	556.00	—
3K, c.l., (20 tons), mines	ton	456.00	—
3R, c.l. (20 tons), mines	ton	371.00	—
7T, c.l. (20 tons), mines	ton	348.00	—
7Z, c.l. (20 tons), mines	ton	321.00	—
4K, c.l. (20 tons), mines	ton	173.00	—
4M, c.l (20 tons), mines	ton	173.00	—
4T, c.l. (20 tons), mines	ton	156.00	—
4Z, c.l. (20 tons), mines	ton	156.00	—
5D, c.l. (20 tons), mines	ton	122.50	—
5K, c.l. (20 tons), mines	ton	122.50	—
5M, c.l. (20 tons) mines	ton	116.50	—
5R, c.l. (20 tons) mines	ton	110.00	—
6D, c.l (30 tons), mines	ton	78.00	—
7D, c.l. (30 tons) mines	ton	68.50	—
7F, c.l. (30 tons) mines	ton	65.00	—
7H, c.l. (30 tons), mines	ton	55.00	—
7K, c.l. (30 tons), mines	ton	46.00	—
7M, c.l. (30 tons) mines	ton	40.00	—
7R, c.l. (30 tons), mines	ton	39.00	—
7T, c.l. (30 tons), mines	ton	37.00	—
7RF, c.l. (30 tons), mines	ton	40.00	—
7TF c.l (30 tons) mines	ton	40.00	—
8S, c.l. (30 tons) mines	ton	27.00	—

Asbestos c.l. prices are in U. S. funds. L.c.l. lots, $4 per ton higher.

Asphalt, gilsonite, black, seconds, 300/390°F fusing point not uniform bgs, c.l., Craig, Colo.; Heber City, Utah	ton	34.00	—
select, 350°F. fusing point, bgs., c.l., same basis	ton	38.00	—
270/295°F fusing point bgs, c.l. same basis	ton	37.00	—
jet, bgs., c.l., same basis	ton	34.00	—
Manjak No 10, crude, dms., works	lb.	.06½-	—
Petroleum, cut-back, tanks, tankwagon, refinery	gal.	.09	—
emulsion, tanks, tankwagon refinery	gal.	.09½	.10
steam refd., less than 80 penetration tanks, tankwagon, refinery	ton	22.00	—
80-300 penetration, tanks, tankwagon, refinery	ton	21.00	—
Aspirin (see Acid Acetylsalicylic.)			
Atropine, USP, bots	oz.	9.35	-10.50
Sulphate, USP, bots	oz.	5.25	- 6.30

B

Bacitracin, bulk, 1,000,000,000 or more units	50,000 units.	.70	—
less than 1,000,000,000 units	50,000 units.	.75	—
Balm of Gilead buds, dried bgs	lb	1.35	1.45
Barberry root bark, bags	lb.	.35	.40
tree bark, bgs	lb	40	.45
Barbital USP, 100 lb dms	lb	5.00	—
Sodium USP dms	lb	5.25	5.27
Barium carbonate, precip., bgs, c.l., works	ton	85.50	—
smaller lots, works	ton	95.50	—
Chlorate, kgs., works	lb	.34	.38
Chloride, anhyd., bgs., c.l., works	bgs. ton	152.00	—
c.l., works	ton	162.00	—
Nb cryst., dms	lb.	.16	—
Chromate, bgs., frt. equald	lb.	.30	—
Dioxides (see Barium peroxides).			
Hydrate, crystals, bgs	ton	190.00	-200.00
Iodide bots	lb.	6.14	—
Monoxide (see Oxide).			
Nitrate, bbls., c.l., works	lb.	.12½-	—
l.c.l. works	lb.	.14	—
Oxide, grd., dms., c.l., works	ton	250.00	—
t.c.l. works	ton	260.00	—
Peroxide, dms., works	lb.	.16	—
Stearate, ctns., c.l	lb.	.37	—
ton lots	lb.	.38	—
less ton lots	lb.	.39	—
Sulphate, tech. (see Barytes and Blanc fixe).			
X-ray, bbls.	lb.	.14	—
Sulphide, dms., c.l., works	ton	71.50	—
t.c.l., works	ton	81.50	—
Baryte ore, approx 94%, $BaSO_4$, bulk, mines	ton	9.40	-12.50
Barytes, Southern off-color, bgs., mines	ton	20.00	—
95.75% bgs, mines	ton	20.00	—
water grd., paper bgs., c.l., St. Louis	ton	37.60	-37.85
ex-whse, N Y	ton	53.45	-61.75
Bauxite, bulk, mines	ton	9.50	-10.00
Bay leaves (see Laurel leaves).			
Belladonna, leaf, bls	lb.	.35	.50
root, bls	lb.	.25	.40
Belladonna, leaf, bls	lb.	.32	.35
Bentonite, dom., 200 mesh bgs., works	ton	12.50	—
imported, Italian, white, high gel., bgs., 10 tons to c.l., ex dock	ton	65.90	—
5 ton-lots, ex whse	ton	77.80	—
1 ton lots, ex whse	ton	80.30	—
low gel, bgs., 10 tons to c.l., ex dock	ton	63.40	—
5 ton-lots, ex whse	ton	75.60	—
1 ton lots, ex whse	ton	78.10	—
Benzal chloride, cbys., works	lb.	.22	.23½
Benzaldehyde, NF, dms	lb.	.74	.79
tech., cbys., dms	lb.	.49	.54
Benzene (see Benzol).			
Hexachloride, 99% gamma isomer (see Lindane).			
tech., bgs., dms., c.l., works, gamma unit-lb.		.01	—
l.c.l., works, gamma unit-lb.		.015	—
dust dry, distributors, dms., c.l., dlvd., gamma unit	lb.	.015	—
l.c.l., dlvd., gamma unit-lb.		.020	—
wet, distributors, dms., c.l., dlvd., gamma unit	lb.	.025	—
l.c.l., dlvd., gamma unit-lb.		.0325-	—
Benzidine base, bbls	lb.	1.02	—
Hydrochloride, bbls., frt. alld	lb.	.94	—
Benzocaine, dms	lb.	3.48	3.50
Benzol, pure, nitration, tanks, works.			
Bethlehem, Pa.	gal.	.38¾-	—
Birmingham district	gal.	.30	.38½
Chicago district	gal.	.30	.36¾
Cleveland district	gal.	.30	.35
Geneva, Utah	gal.	.30	—
Johnstown, Pa.	gal.	.36¾-	—
Lackawanna, N. Y.	gal.	.38¾-	—
Lone Star, Texas	gal.	.37	—
Lorain, Ohio	gal.	.30	—
Minaqua, Colo	gal.	.35	—
Philadelphia, Pa	gal.	.38¾-	.39
Pittsburgh district	gal.	.30	.36½
Sparrows Point, Md.	gal.	.38¾-	—
Syracuse, N. Y.	gal.	.38¾-	—
Terre Haute ind	gal.	.35	—
Wyandotte, Mich	gal.	.39	—
Youngstown, Ohio	gal.	.36	—
Benzophenone, dms	lb.	1.40	1.70
Benzonitrile, dms., c.l., works	lb.	.46¾-	—
l.c.l., works	lb.	.47	—
Benzotrichloride, cbys., frt. equald	lb.	.18	.20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald	lb.	.21½-	.24½
l.c.l., same basis	lb.	.22½-	.25½
Peroxide, pure, 5lb. ctns., works	lb	.90	1.05
Benzyl acetate, t.f.c., cns., dms	lb.	.65	1.05
Alcohol (see Alcohol, benzyl)			
Benzoate, USP, f.f.c., cns., dms.	lb.	.72	.80
Chloride, tech., cbys., c.l., works, frt. equald	lb.	.21	—
l.c.l., same basis	lb.	.24	—
High grade benzyl chloride, 2c. higher.			
Cinnamate, cns	lb.	3.00	4.00
Formate, cns	lb.	1.60	2.10
Propionate, bots	lb.	1.35	1.80
Salicylate bots	lb.	1.65	1.85
Benzylidinacetone, bots	lb.	1.68	2.00
Benzylisoeugenol, cns.	lb.	8.60	9.00
Berberine bisulphate, cns	lb.	35.00	-36.25
Hydrochloride, bots	lb.	35.00	-36.25
Berberis root, bls	lb.	.32	.35
Betagammapicoline, 5°, dms., c.l., works	lb.	.29½-	—
l.c.l., works	lb.	.30	—
Betamethylnaphthalene, 32°C m.p., dms., works	lb.	.90	—
Betanaphthol, resublimed, dms., works	lb.	.78½-	—
tech., bbls., c.l., works	lb.	.32½-	—
l.c.l., works	lb.	.34½-	—
Benzoate, fib dms., works	lb	3.00	—
custom contract	lb.	1.65	1.85
Salicylate, dms	lb	5.00	—
Sulphate, cns	lb.	35.00	-36.25
Betanaphthylamine, tech., bbls., works	lb.	1.05	1.10
Betaphenylethylamine, dms., works, 1,000-lb. lots	lb.	1.10	—
smaller lots	lb.	1.15	1.40
Betapicoline, 98%, dms., works	lb	1.05	—
Beth root, bls	lb.	.40	.41
Biotin, cryst., bots	gram	10.00	—

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FORT WAYNE—HOOSIER SOLVENTS & CHEMICALS CORPORATION, Maumee & Bueter Rd. — ANthony 0213

GRAND RAPIDS—WOLVERINE SOLVENTS & CHEMICALS COMPANY, 1500 Century S.W. — Grand Rapids 5-9111

HOUSTON—TEXAS SOLVENTS & CHEMICALS COMPANY, 8501 Market St. — Orchard 6683

INDIANAPOLIS—HOOSIER SOLVENTS & CHEMICALS CORPORATION, 1650 Luett St. — ATlantic 1361

MILWAUKEE—WISCONSIN SOLVENTS & CHEMICALS CORPORATION, 1719 S. 83rd St. — GReenfield 6-2630

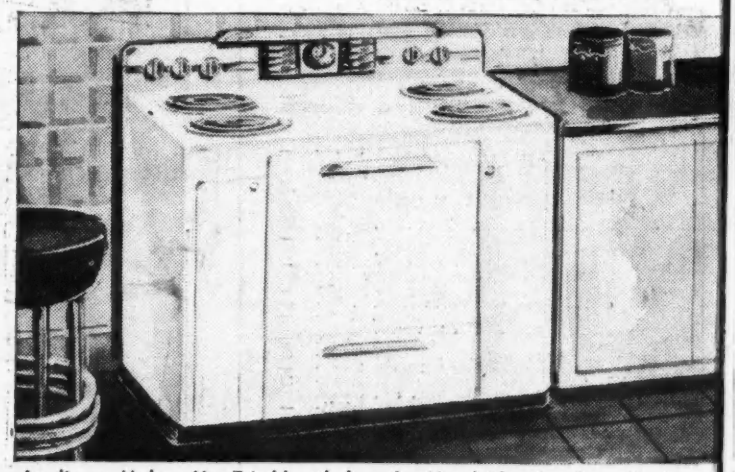
NEW ORLEANS—SOUTHERN SOLVENTS & CHEMICALS CORPORATION, 1352 Jefferson Hwy. — Temple 4666

ST. LOUIS—MISSOURI SOLVENTS & CHEMICALS COMPANY, 419 DeSoto Avenue — Garfield 3495

TOLEDO—WESTERN SOLVENTS & CHEMICALS COMPANY, Central & Reynolds Rd. — Jordan 0761

SUPPLIERS "ON THE BALL"

TEAMWORK "PAYS OFF" FOR S-C CUSTOMERS



Appliance Makers Use Tri-chlorethylene for Metal Cleaning from Cincinnati Amsco Solvents.

"Forward passing" huge transports of naphtha and other solvents is Standard Operating Procedure for members of the Solvents & Chemicals Group. This unusual "team" of 11 solvent and chemical distributing companies meets local shortages by drawing on supplies maintained by other Group members throughout the Midwest and large sections of the South. Thus, if a customer requires an unusual amount of a scarce product, the Solvents & Chemicals Group frequently can fill the order within 24 hours.

WHERE SERVICE IS MORE THAN A WORD:

Filling difficult orders quickly is just part of the service that the Solvents & Chemicals Group performs for industry. Perhaps, that is why many of the leading firms in their field specify products distributed by Group members. In the paint field, metal-working trade graphic arts industry and chemical compounders market, each group member offers personalized attention to both large and small accounts. Whether it's a solvent for coatings, or for ink . . . or a solvent for cleaning, Group members are ready to serve you.

REPRESENT LEADING FIRMS

Because of their outstanding service record, some of America's leading names in chemicals have chosen the Group to market their products. The strategic location of various Group Members, plus their ability to warehouse and to supply so many segments of industry, makes them logical choices to introduce new products as well as handle more familiar necessities.

Bismuth chloride, jars	lb.	5.11	- —
Hydroxide, dms	lb.	4.65	- —
Metal, oxs., ton lots	lb.	2.25	- —
Nitrate, cryst., dms	lb.	2.10	- —
Oxide, anhydrous, dms	lb.	4.47	- 5.03
Oxychloride, dms	lb.	4.37	- 4.42
Phenolsulphonate, fib. dms	lb.	5.22	- —
Subcarbonate, USP, dms	lb.	2.20	- —
Subgallate, NF, fib. dms	lb.	3.15	- —
Subiodide, fib. dms	lb.	5.37	- —
Subnitrate, NF, dms	lb.	2.65	- —
Subsalicylate, USP, dms	lb.	3.50	- —
Bismuth-ammonium citrate, USP, powd., jars	lb.	4.22	- —
Black, acetylene, bgs., c.l., works	lb.	.16	- —
cs, l.c.l., ship't point	lb.	.20	- .22
Bone, dms., l.c.l., frt. alld.	lb.	.15½	- .22
Pacific coast bone black prices, 2c. per lb. higher.			
Carbon, channel, heads, bulk, c.l., works	lb	.07	- —
bgs., c.l., works	lb.	.0740	- —
l.c.l., divd. or whse	lb.	.1225	- —
uncompressed, regular, bgs., c.l. works	lb.	.10	- —
l.c.l., divd. or whse	lb.	.10	- —
furnace, fast extruding, bgs., c.l., works	lb.	.06	- —
ctns., l.c.l., whse	lb.	.10	- —
high abrasion, bulk, c.l., works	lb.	.0750	- —
bgs., c.l., works	lb.	.0790	- —
l.c.l., divd. or whse	lb.	.1250	- —
high modulus, bgs., c.l., works	lb.	.0550	- —
ctns., l.c.l., whse	lb.	.0950	- —
semi-reinforcing bgs., c.l., works	lb.	.04	- —
ctns., l.c.l., whse	lb.	.03	- —
Charcoal (see C).			
Graphite (see G).			

Black, iron oxide, pure, bgs., c.l., works	lb.	.2175	- —
l.c.l., works	lb.	.12	- —
Lamp, bgs., c.l., works	lb.	.16	- .43
Mineral, bgs., works	lb.	.0160	- .0675
Black ash (see Barium sulphide).			
Blackberry, root bark, bls	lb.	.32	- .35
root, bls	lb.	.15	- .16
Black dyes (see Dyes).			
Black haw, root bark, bls	lb.	.65	- .70
tree bark, bls	lb.	.40	- .42
Black Indian hemp root, bls	lb.	.60	- .61
Blanc fixe, dry, by-product, bgs., c.l., works	ton.	100.00	- —
l.c.l., works	ton.	110.00	- —
direct process, bgs., c.l., works	ton.	90.00	- —
l.c.l., works	ton.	160.00	- —
N. Y. whse	ton.	120.00	-130.00
pulp, 66⅔%, bbls., c.l., works	ton.	84.00	- —
l.c.l., same basis	ton.	92.00	- —
Bleaching powder, dms., c.l., works	100 lbs.	5.02	- —
l.c.l., works	100 lbs.	6.52	- —
Blood, dried, 16-16½% ammo., bgs., unit-ton		6.50	- —
high-grade, unground, 16-17% ammon., bgs., Chicago unit-ton		6.50	- —
soluble, bgs., c.l.	lb.	.16½	- .18
l.c.l.	lb.	.18	- .25
Bloodroot, bls	lb.	.53	- .56
Blue, alkali, dry, bbls., divd. N. of Tenn. and N. C. E. of Miss R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	1.80	- 1.90
toner, bbls., litho flushed, same basis	lb.	1.00	- 1.05

Blue, Chinese, bbls., same basis	lb.	.43	- —
Cobalt, genuine, bbls., same basis	lb.	4.90	- —
imitation (see Blue, ultramarine).			
Copper-phthalocyanine, full strength, bbls., same basis	lb.	3.85	- —
resinated, bbls, same basis	lb.	3.40	- —
water dispersable	lb.	1.54	- —
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).			
Methyl violet toner, molybdated, PMA bbls., same basis	lb.	2.00	- —
tungstated, PTMA, bbls., same basis	lb.	4.05	- —
Milori, bbls., same basis	lb.	.45	- —
Peacock, fugitive, 100% color strength, bbls., same basis,	lb.	.75	- —
Potash, CP, bbls., same basis	lb.	.56	- —
Prussian, insoluble, bbls., same basis	lb.	.45	- —
soluble, bbls., same basis	lb.	.45	- —
Soda, C.P., bronze, bbls., same basis	lb.	.43	- —
Ultramarine, cobalt type, dry or pulp, bbls., same basis	lb.	.28	- .30½
regular types, dry, bbls., same basis	lb.	.15	- .33½
Victoria toner, molybdic, PMA, bbls.	lb.	2.90	- —
tungstated, PTMA, bbls	lb.	5.35	- —

Blue, dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.+ Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.

Blueflag, root, bls	lb.	.43	- .45

Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).

Bismuth Chloride—Calamine, USP

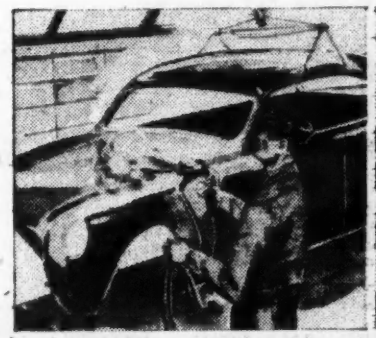
Boldo leaves, bls	lb.	.11	- .13
Bonemeal, raw, 4½% ammon., 50% phos., bgs., works, E	ton.	70.00	Nom.
steamed, works, E	ton.	75.00	- —
Bone-phosphate, defluorinated (see D).			
of lime (see Calcium phosphate, tribasic)			
precipitated (see Calcium phosphate tribasic, NF, precip.).			
Bones, raw, bulk, Atlantic ports	ton.	60.00	- —
Boneset leaves and tops, bls	lb.	.17	- .20
Borage flowers, bls	lb.	.65	- .66
Borax, tech., anhydrous, bgs., c.l., works	ton.	74.50	- —
ton lots, ex whse, N Y or Chi	ton.	120.25	- —
less ton lots, same basis	ton.	125.25	- —
bulk, c.l. works	ton.	67.50	- —
crystals, 99½%, bgs., c.l., works	ton.	63.75	- —
ton lots, ex whse, N Y or Chi	ton.	109.50	- —
less ton lots, same basis	ton.	114.50	- —
bbls., c.l., works	ton.	66.25	- —
ton lots, ex whse, N. Y., or Chi	ton.	134.00	- —
less ton lots, same basis	ton.	139.00	- —
bulk c.l. works	ton.	59.25	- —
granular, 99½%, bgs., c.l., works	ton.	37.75	- —
less ton lots, same basis	ton.	62.50	- —
ton lots, ex whse, N Y or Chi	ton.	63.50	- —
bbls., c.l., works	ton.	62.25	- —
ton lots, ex whse., N Y or Chi	ton.	106.00	- —
less ton lots, same basis	ton.	113.00	- —
bulk, c.l., works	ton.	33.25	- —
powder, 99½%, bgs., c.l., works	ton.	42.75	- —
ton lots, ex whse, N Y or Chi	ton.	68.50	- —
less ton lots, same basis	ton.	93.50	- —
bbls., c.l., works	ton.	67.25	- —
ton lots, ex whse., N Y or Chi	ton.	113.00	- —
less ton lots, same basis	ton.	118.00	- —
bulk, c.l., works	ton.	38.25	- —

Borax packed in kgs, $45.50 per ton higher than in paper bgs. UPS borax $15 per ton higher.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point	lb.	.161	- .221
l.c.l. same basis	lb.	.171	- .241
Borneol, cns	lb.	2.25	- 2.50
Borontrifluoride gas, cyls., truckload works	lb.	.62	- —
less truckload, works	lb.	.70	- —
Brazilwood extract (see Hypernic extract).			
Brimstone (see Sulphur).			
Bromine, purified cs, c.l., frt. alld. E. of Rockies	lb.	.25	- —
1,000-lb lots, same basis	lb.	.27	- —
dms., lead-lined, divd	lb.	.25	- —
Bromoform, pharmaceutical grade, bots	lb.	1.62	- 2.60
cbys.	lb.	1.52	- —
Bromstyrol, bots	lb.	5.40	- 5.70
Bronze powder, aluminum (see Al).			
Gold, litho, cns, dms., works,	lb.	.75	- .85
moulding, cns., dms., works	lb.	.85	- 1.00
printing ink, cns., dms., works	lb.	1.05	- 1.25
radiator, cns., dms, works	lb.	.80	- .85
Broomtop, bls	lb.	.30	- .35
Brown, iron oxide, pure, bgs., c.l., works	lb.	.1275	- —
l.c.l., works	lb.	.13	- —
Oxide, metallic, bgs, works	lb.	.0675	- —
Sap, crystals, bgs., works	lb.	.12	- —
powdered, bgs	lb.	.13	- —
Sienna, burnt, paper bags., c.l., works	lb.	.04½	- .15¼
l.c.l., works	lb.	.04½	- .15½
raw, paper, bgs., c.l., works	lb.	.04½	- .13
l.c.l. works	lb.	.04¾	- .13¼
Umber, burnt, American, bgs., c.l., works	lb.	.06	- —
l.c.l., works	lb.	.06¼	- —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N Y	lb.	.06¼	- —
l.c.l., works	lb.	.06¾	- —
raw, American, bgs., works	lb.	.06¼	- .06¾
Turkey type bgs., works	lb.	.06¼	- .06¾
Vandyke, bbls, works	lb.	.11	- —
Brucine, cns., 100-oz. lots	oz.	.30	- .32
Sulphate NF cns., 100-oz. lots	oz.	.26	- .29
Bryonia root, bls	lb.	.22	- .24
Buchu leaves, bls	lb.	.35	- .40
Buckthorn bark, bls	lb.	.15	- .17
cut and sifted, bls	lb.	.18	- .23
Berries, bgs	lb.	.80	- .90
Burdock root, bls	lb.	.22	- .26
Butadiene, cyls refinery	lb.	.22	- —
tanks, same basis	lb.	.12½	- —
Butane, indust, tanks group 2 gal.		.05	- —
Butternut bark, bls	lb.	.23	- .25
Butyl acetate, fermentation, normal, dms., c.l., frt. alld	lb.	.14¾	- —
l.c.l., same basis	lb.	.15½	- —
tanks, same basis	lb.	.13	- —
synthetic, normal, dms, c.l., divd. E	lb.	.14¾	- —
l.c.l., same basis	lb.	.15½	- —
tanks, same basis	lb.	.13	- —
secondary, dms., c.l., divd. E.	lb.	.12½	- —
l.c.l., same basis	lb.	.13½	- —
tanks, same basis	lb.	.10¾	- —
Alcohol (see Alcohol butyl).			
Aldehyde, dms., c.l., divd	lb.	.22½	- —
l.c.l., divd.	lb.	.23½	- —
tanks, divd	lb.	.26¾	- —
Chloride, dms., c.l., works	lb.	.37½	- —
l.c.l., works	lb.	.38	- —
Ether (see Ether butyl).			
Lactate, dms., c.l., frt. alld. E. of Rockies	lb.	.34¾	- —
l.c.l., same basis	lb.	.35¾	- —
tanks, same basis	lb.	.33	- —
Laurate, dms., works	lb.	.39	- —
Methacryate normal, dms., less truckloads works	lb.	.70	- —
Oleate, refd., dms., l.c.l., works	lb.	.36	- —
Phenylacetate dms	lb.	4.50	- 4.60
Phthalate (see Dibutyl phthalate).			
Stearate, dms, l.c.l., frt. equald	lb.	.24	- .27¾
Butylamine (see Mono-, Di- or Tri-).			
Butyric ether (see Ethyl butyrate).			

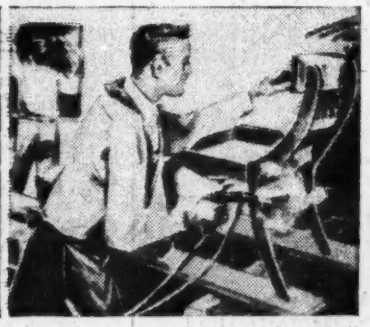
C

Cacao butter (see Cocoa butter).			
Cadmium iodide, jars	lb.	5.56	- 6.75
Metal, ingots or sticks, cs., divd	lb.	1.50	- 2.00
Stearate, 50-lb. ctns., l.c.l., frt. equald	lb.	1.25	- —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more	lb.	3.30	- —
anhydrous, dms.	lb.	3.50	- —
synthetic, USP, cryst., dms., 100 lbs. or more	lb.	3.30	- —
anhydrous, dms., 100 lbs. or more	lb.	3.50	- —
Citrated, USP, dms., 100 lbs. or more	lb.	2.25	- —
Calamine, USP, dms	lb.	.24	- —


Auto Manufacturers Order Solvents and Chemicals from Detroit's Western Solvents.

Raw Materials Flow to Leading Coating Manufacturers from Cleveland's Ohio Solvents.

From Buffalo Solvents Go Waxes to Make Business Forms and Inked Ribbons.


Grand Rapids Furniture Makers Call on Wolverine Solvents for Solvents and Chemicals.

THE RIGHT PRODUCT AT THE RIGHT TIME

The wide variety of products handled helps Group members to suggest a solvent or chemical best fitted to meet specific needs of customers. Thus, members have no "axe to grind" and can impartially suggest the best product available. Because of this impartial attitude, many customers refer first to the Solvents & Chemicals Group when problems arise.

HOW THE GROUP CAN HELP SOLVE YOUR PROBLEM

If you purchase solvents or chemicals, the members of the Solvents and Chemicals Group can, quite probably, offer you a better source of supply . . . saving you time, work and money. Inquiries from prospective users are invited. Just phone or write your nearest Group member for complete infomation about the Group and the products it handles.

Teamed Together For Better Service

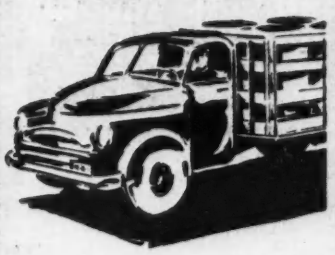
THE SOLVENTS & CHEMICALS GROUP

ALCOHOLS • ACETATES • KETONES • TERPENE SOLVENTS
WAXES • AROMATIC SOLVENTS • NAPHTHAS • CHLORINATED SOLVENTS • PLASTICIZERS • STEARATES
ROSINS • DETERGENTS • ALKALIES • GLYCOLS • AMINES

AN IMPORTANT MEMBER OF THE TEAM

IN DETROIT AND TOLEDO, IT'S WESTERN SOLVENTS

Central Solvents is the team member from Chicago. Ohio Solvents is the name to look for in Cleveland. And in Detroit and Toledo . . . it's WESTERN SOLVENTS, of course. For 39 years, Western Solvents has supplied the Detroit and Toledo areas with leading-name solvents and



chemicals. Whether you make or use paints or clean metals . . . whether you wax or print paper . . . whatever you do that requires solvents and chemicals, you can be sure of better service when you call on WESTERN SOLVENTS.

WESTERN

Solvents & Chemicals Company
6472 SELKIRK AVENUE
DETROIT 11, MICHIGAN
Telephone: WAlnut 1-6350

CENTRAL & REYNOLDS RD.
TOLEDO, OHIO
Telephone: JORDAN 0761

Calamus Root—Charcoal, Hardwood

Calamus root, dom., natural, bgs. lb. .25 - .30
imported, bleached, bls lb. .70 Nom.
stripped, bls lb. .30 - .40
Calciferol, cryst., vials, 250 grams or more, works gram. .95 - —
25 to 249 grams, works gram. 1.80 - —
in edible oil dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit .05¾ —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate dealers, dms., c.l., whse. works, frt., alld. on 96 lbs. or over lb. .09 - .10
l.c.l., same basis lb. .10 - .11
Bromide, NF, jars lb .90 - .92
Carbide, standard generator size, dms., c.l., dlvd ton.134.40 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l. works, frt. equald ton.25.00 - —
liquor, 40%, tankcars, works, frt. alld ton.10.50 - —
pellets, bgs, c.l. works ton.31.25 - —
powder, bgs., c.l., works ton.35.65 - —
solid, 73-75%, dms., c.l., frt. equald ton.23.50 - —
l.c.l., works, same basis ton.32.00 - 69.00
USP gran, bbls lb. .30 —
Chromate, bgs., frt. equald lb. .29½ - .30
Cyanide dms, dlvd E. of Rockies, lb. .24 - .50
Gluconate, AA, bbls., dms lb. .65 - .74
USP, bbls., dms lb .58 - .67

Calcium glycerophosphate, NF, fib. dms. lb. 2.00 - 2.15
Hydride, dms., works lb. 2.20 - 4.00
Hydrochlorite, high test, cns., cased (45 lbs.) dlvd, E. of Rockies cs.21.00 -23.00
100-lb. lots, same basis dm.25.25 -29.85
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide, jars lb. 4.32 - —
Lactate, USP, dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works lb. .41 - .48
Mangenate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .25¼- —
Nitrate, tech., bbls., works lb. .10 - .12
fertilizer grade, bgs., c.l., Los Angeles ton.49.25 - —
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —
Para-aminosalicylate, fib. dms., 1,000-lb. lots or more, frt. adjusted lb. 7.00 - —
smaller lots, same basis lb. 7.05 - 7.50
Phenolsulphonate, dms lb. 70 - —
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 7.10 - —
l.c.l. 100 lbs. 7.60 - 7.55
feed grade, bgs, c.l., works ton.90.00 - —
t.c.l., bgs., works ton.95.00 - —
monobasic, bgs., 10,000-lb. lots, works, frt. equald lb. .0625- —
smaller lots, same basis lb. .0675- —
tribasic, precip., NF, bgs., c.l., works 100 lbs. 7.10 - —
t.c.l., works 100 lbs. 7.45 - —
Phytate, bgs., works lb. .28 - —

Resinate, precip., dms., frt. alld., works lb. .27¾- —
Silicate, hydrated, bgs., c.l., works, lb. .06 - —
t.c.l., works lb. .06¼- —
Stearate, ctns., c.l. lb. .35 - —
ton lots lb. .36 - —
less ton lots lb. .37 - —
Sulphate (see Gypsum).
Calcium-strontium sulphide, phosphorescent steel pails, 100 lb. to 999 lb. lots, works lb. 2.60 - 3.50
fine particle size, same basis, works lb. 2.65 - 3.75
Calendula flowers, bls lb. .50 - .65
Calomel, USP powd. dms lb. 4.02 - 4.05
Camphene, 46° m.p., dms., incl., c.l., works lb. .1930- —
l.c.l., same basis lb. .1980- .2115
tanks, same basis lb. .1660- —
Chlorinated 67-69% (see Toxaphene).
Camphor monobromated, NF, dms., kgs lb. 3.00 - 3.12
natural, USP, powd., 100-lb lots, bbls lb. .50 - .52
tablets, 1-oz., ½-oz., cs lb. .63 - .65
synthetic, tech., bbls., 10 bbls., 1,500-lb. lots lb. .55½- —
smaller lots lb. .56 - .60
USP, gran., powd., bbls., 2,000-lb. lots lb. .57 - —
1,000-lb. lots lb. .58 - —
smaller lots lb. .59 - —
tablets, tins, 2,000-lb. lots lb. .90 - —
1,000-lb. lots lb. .91 - —
smaller lots lb. .92 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb .25 - .33
Cantharides, Chinese, cs lb. 2.00 - 2.05
powd., bxs. lb. 2.25 - 2.30
Russian, bgs. lb. 4.00 - 4.05
powd., bxs. lb. 4.35 - 4.40

Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper, dms. lb. 4.25 - 5.75
from African pepper, dms. lb. 4.75 - 6.25
Caramel coloring, NF, bbls gal. 1.05 - 1.20
Caraway seed, Dutch, bgs lb. .09¾ - .10
Carbazole, 97%, bbls., ton lots, works lb. 1.25 - —
steel-dms., same basis lb. 1.20 - —
Carbinol, methylisobutyl, dms., c.l., dlvd lb. .15¼- —
t.c.l., same basis lb. .16 - —
tanks, same basis lb. .13½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt alld competitive points lb. .0700- —
t.c.l., same basis lb. .0800- —
5-gal. dms., c.l., same basis lb. .0950- —
t.c.l., same basis lb. .1050- —
tankcars, same basis lb. .0490- —
Dioxide, industrial, wholesale, cyl lb. .08 - —
Tetrachloride, CP, dms., works lb. .1097- .1197
NF, chys lb. .17 - .18
tech., dms., c.l., E. of Rockies, frt. alld lb. .0847- —
W of Rockies, f.o.b. stock-points lb. .0897- —
t.c.l., E. of Rockies, frt. alld, lb. .1047- —
W of Rockies, f.o.b. stock-points lb. .1107- —
tanks, E. of Rockies, frt. alld, lb. .0772- —
W of Rockies, f.o.b. stock-points lb. .0822- —
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, cs lb. 3.75 - 4.00
medium, cs lb. 3.30 - 3.40
decorticated, Alleppey, cs lb. 2.15 - —
Guatemalan, cs lb. 2.25 - 2.30
Mangalore type, cs lb. 2.25 Nom.
green, Alleppey, bgs lb. 1.70 - —
Ceylon, bgs lb. 1.70 - —
seed (see Cardamom fruit decorticated).
Carmine, No. 40, NF, bulk, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, technical, 1,350,000 A units per gram, tins, works gm. .55 - —
in carrot oil 5,000,000 to 8,000,000 A units per lb., dms., works, million units. .18 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works, million units. .33 - —
Carvol, bots. lb. 7.50 - 7.75
Cascara sagrada bark, bulk lb. .35 - .36
Casein, dom., acid-precip, standard, bgs., 10,000-lb lots or more, ship't point lb. .28 - .32
premium bgs., 10,000-lb lots or more, ship't point lb. .36½- .40
imported, Argentine, acid-precip., grd., 100-bg lots or more, ex dock lb. .17½- .18
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J. lb. .22 - —
ton lots, same basis lb. .23 - —
dm. lots, same basis lb. .25 - —
Cassia, Batavia, cuttings, bls lb. .18 - .18¼
longstick lb. .22 - .23
shortstick, bls lb. .19 - .20
China, Canton, Kwangsi rolls, select, cs lb. .35 - .40
broken, bls lb. .33 - .34
Honan, Yunnan, scraped, bls. lb. .28 Nom.
unscraped, bls lb. .27½ Nom.
Saigon, broken, bls lb. .46 - —
medium, bls., afloat lb. .50 - —
thin, bls lb. .55 Nom.
Cassia buds, bgs lb. 1.65 - 1.70
Fistula, bskts lb. .25 - .30
Castor beans, bgs., f.o.b. Brazilian ports long ton.195.00 Nom.
Oil (see Oil, castor)
Pomace, bgs. c.l., works ton.37.25 - —
Castoreum, artificial, cns lb 9.00 - 9.25
natural, cns lb 7.00 -30.00
Catechol, CP, cryst., fib. dms., works lb 2.17½- —
resublimed dms., works lb. 4.29½- —
Catnip leaves, southern, bls lb. .65 - .70
Celery seed, French, bgs lb. .36 - .36½
Indian, bgs. lb. .27 - .27½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate flake, ctns., dlvd, lb. .40 - .45
extrusion compounds, translucent, metallic pearls, special black, dms., c.l., same basis lb. .52 - —
t.c.l. same basis lb. .53 - .59
molding, composition, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .48 - —
t.c.l., same basis lb. .49 - .55
reprocessed black, dms., t.c.l., same basis lb. .43 - .49
Acetate-butyrate, flake, 16% butyryl content, standard cartons, works lb. .64 - —
17% butyryl content, standard cartons, works lb. .54 - —
27% butyryl content, standard cartons, works lb. .64 - —
38% butyryl content, low viscosity, standard cartons, works lb. .68 - —
medium viscosity same basis lb. .54 - —
50% butyryl content, standard cartons, works lb. .63 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld lb. .64 - .71
reprocessed black, dms., l.c.l., same basis lb. .52 - .58
Triacetate, flake, ctns., works, frt. alld. on 100-lb. lots or more lb. .50 - —
Cerium hydrate, 74% CeO_2, fib. dms., 50-lb. lots or more lb. 1.44 - —
77% CeO_2, fib. dms., 50-lb-lots or more lb. 1.60 - —
Oxalate, NF, bbls., bgs., works lb. No prices.
Oxide, optical grade, bgs., 50-lb. lots or more, works lb. 1.85 - 2.00
smaller lots, works lb. 1.90 - 2.10
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .0295- .035
t.c.l., ex whse lb. .0395- .05
paint, bgs. c.l. works ton.40.00 —
papermakers, bgs. c.l. works ton.32.50 -40.00
rubber makers, bgs., c.l., works ton.55.00 -60.00
Chamomile flowers, Hungarian and Hungarian style, cs lb. .90 - .95
Roman, cs lb. .80 - .90
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone (see Black, bone).
Hardwood, briquets, bgs., c.l., works ton.77.00 -88.00
bulk, c.l., works ton.70.40 - —
granular, bgs., works ton.77.00 - —

RED DIAMOND CO_2

one cylinder or TEN TONS

Standard 20 and 50 lb. cylinders.

Specially designed "Liquiflow" tank truck transports 10 tons of Liquid CO_2.

"Liquiflow" receiver in customer's plant is charged with low pressure liquid carbon dioxide from "Liquiflow" tank truck.

Liquiflow CO_2 SYSTEM

Whether your CO_2 requirements are one cylinder, or more than 10 tons, "Liquid" can supply it wherever you are. One of its many distribution points is near you—ready to deliver, when you want it, as you want it. In 50 lb. cylinders or by "Liquiflow" tank truck to specially designed "receivers" in your plant. It is also available in solid form as dry ice, in whatever quantity you require.

A Liquid field engineer is available to assist you in your plans or in solving your problems in any CO_2 application. A request to any of our branch offices or to our headquarters in Chicago will bring a prompt reply.

Liquid

THE LIQUID CARBONIC CORPORATION • 3100 South Kedzie Avenue, Chicago 23, Illinois

WORLD'S LARGEST PRODUCER OF CO_2

Charcoal, pinewood, gran., powd., bgs., c.l., works, South. ton.43.50 - —
l.c.l., works, South ton.43.50 -53.50
lump bgs., c.l., works, South ton.40.00 - —
l.c.l., works, South ton.50.00 -60.00
bulk, c.l., works, South ton.33.50 - —
Chestnut extract, 55% tannin, bbls., c.l., works lb. .0510- —
l.c.l., works lb. .0543- —
tanks, works lb. .0425- .0440
powd., 60% tannin, bgs., extra, c.l., works lb. .1092- —
l.c.l., works lb. .1165- —
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots lb. 1.30 - —
500-lb. lots lb. 1.33 - —
100-lb. lots or less lb. 1.35 - 1.40
Chloramine T, NF, bbls., works lb. 75 - 1.00
Chlordane, agricultural, dms., pails, c.l., frt. alld lb. .65 - —
l.c.l., frt. alld lb. .66 - .73
refined, dms., c.l., frt. alld lb. .75 - —
l.c.l., frt. alld lb. 76 - .83
Chlorinated paraffin, 42%, dms., c.l., frt. alld. lb. .14 - —
l.c.l. lb. .14¾- —
70%, dms., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .19 - —
Rubber, 5, 10, 20 cps., ctns., c.l., works lb. .55 - —
l.c.l., works lb. .57 - —
125, 1,000 cps., ctns., c.l., works lb. .60 - —
l.c.l., works lb. .61 - .62
Chlorine, liquid, cyls., c.l. lb. .08¾- —
l.c.l., N. Y. stock points lb. .10¼- —
tanks, single units, works, frt. equald. 100 lbs. 2.70 - —
W. of Rockies 100 lbs. 2.82½- —
multiple units, 3 cars, works, frt.equald. 100 lbs. 3.20 - —
2 cars, same basis 100 lbs. 3.80 - —
1 car, same basis 100 lbs. 4.40 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .18 - .182
l.c.l., same basis lb. .192 - .20
tanks, same basis lb. .17 - .171
USP, dms lb. .30 - .35
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll oil, soluble, 4%, not fixed, tins, pails, works lb. 4.25 - —
copper fixed, 6½%, tins, pails, works lb. 4.25 - —
sodium-copper, dms., pails, aqueous sol., 4%, works. lb. 3.75 - —
8%, pails, dms., works. lb. 4.00 - 4.80
14%, dms., works lb. 8.90 - —
concentrated, dom., 50%, dms., works, basis 100% lb.56.50 -60.00
75%, dms., works, basis 100% lb.60.00 - —
90%-100%, dms., works, basis 100% lb.60.00 -67.00
imported, 60%, dms., basis 100% lb.60.00 - —
75%, dms, basis 100% lb.60.00 - —
90%, dms., basis 100% lb.60.00 - —
Chloropicrin, com'l, bots lb. 1.50 - —
cyls., 180 lbs. frt alld lb. 95 - —
100 lbs. same basis lb. 97 - —
25 lbs., same basis lb. 1.22 - —
Cholesterol, USP, fib dms., 100-lb. lots lb. 8.25 - 9.50
Choline bitartrate fib dms., frt adjusted lb 1.70 - 1.95
Chloride fib dms, same basis lb 1.70 - 1.95
Dihydrogen citrate, fib dms., same basis lb. 1.70 - 1.95
Chromium acetate powd, 72% Cr., bbls., works lb. No stocks.
solut., 7½% bbls. works lb. .08½ —
cbys. works lb. .10¼ —
8½%, bbls. works lb. .09 - —
cbys. works lb. .10¾- —
Fluoride, bbls. works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide)
Oleate, solid, bbls lb. .49 - —
Trioxide, NF bots lb. .82 - .89
Yellow, (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 6.50 - 8.00
Cinchona bark, NF, red, broken, bgs lb. .28 - .30
yellow, broken, bgs lb. .28 - .30
Cinchonidine, cryst., cns 100 oz.-lots oz. .71 - .72
Sulphate, cns., 100 oz.-lots oz. .37 - .40½
Cinchonine, cryst., cns., 100 oz.-lots. oz. .52 - .57
Sulphate, NF, cns., 100 oz-lots oz. .27 - .30½
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic)
Aldehyde NF cns. dms lb 1.05 - 1.30
Cinnamon, Ceylon, No. 2, bls. lb. .25½- .26
"0000", bgs. lb. .36 - —
Citral, bots., cns lb. 3.20 - 3.75
Citronellal, bots., dms lb. 1.60 - 2.00
Citronellol, bots., dms lb. 1.80 - 2.40
Civet, artificial, bots lb 13.75 - 15.00
natural, bots oz. 3.50 - 7.00
Clay, ball, dom., crushed, bulk, Tennessee ton 10.00 -12.00
airfloated, bgs., c.l., Tennessee ton 19.50 - —
purified, bgs., c.l., Tennessee ton.20.50 - —
imported, lump, bulk, Atlantic port, long ton.27.00 -30.00
airfloated, bgs., c.l., Atlantic port, long ton.43.00 -45.00
pulverized, bgs., l.c.l., all ports ton.55.00 - —
97%, 200 mesh, bgs., c.l., Georgia ton.54.00 -56.00
China, dom., dry-grd., air-float, 99%, 300 mesh bgs., c.l., works ton 11.50 -14.50
l.c.l., works ton 35.30 - —
bulk, c.l., works ton 8.50 -11.50
200 mesh, bgs., c.l., works ton 13.50 -17.00
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me gross ton.20.00 -40.00
powd., bgs., c.l., ex dock net ton 50.00 - —
l.c.l. ex whse net ton 60.00 -65.00
Clove, Madagascar, bls lb. 1.62 Nom.
Zanzibar, bls lb. 1.60 - 1.62
Clover tops, red, bgs lb .45 .50
CMC, purified, high vis., (see Gum, cellulose).
standard low vis., bgs., 23,000 lbs. or over, works, frt alld lb. .60 - —
smaller lots, same basis lb. .62 - —
medium vis., bgs., 23,000 lbs. or over, works, frt alld lb. .57 - —
smaller lots, same basis lb. .59 - —
technical high vis., 58% purity, bgs., 20,000 lbs. or more, dlvd. E., 100% basis lb. .56 - —
2,000 to 20,000 lbs., dlvd. E lb. .58 - —
less than 2,000 lbs., dlvd E. lb. .62 - —
low vis., 62% purity, bgs. or fib. dms., c.l., dlvd E., basis 100% lb. .41 - —
l.c.l., dlvd. E., basis 100% lb. .43 - —
58% purity, bgs., c.l., dlvd. E. basis net weight lb. .34 - —
l.c.l., dlvd, E lb. .36 - —

CMC, low vis., 47½% purity, bgs., c.l., dlvd., E., basis 100%. lb. .41 - —
l.c.l., dlvd. E lb. .43 - —
36½% purity, bgs., c.l., dlvd. E., basis net weight lb. .13½- —
l.c.l., dlvd E lb. .20 - —

Prices for technical grades of CMC West of the Rocky Mountains are 1c. per pound less than delivered prices.

Coaltar, coal gas, water gas, crude, resale dms. c.l., ex-whse. gal. .24 - .27½
l.c.l. ex-whse gal. .26 - .28½
tanks, ex-whse gal. .14 - .154
refined, resale, dms., c.l., ex-whse gal. .25 - .28½
l.c.l. ex-whse gal. .27 - .29½
tanks, ex-whse gal. .15 - .16½
Cobalt acetate, 23.7% bbls., dlvd lb. 1.14¾- —
Carbonate, 48% powd., bgs., dlvd lb. 1.92¼- —
Chloride, 24.2% Co., kgs., dlvd., lb. 1.10½- —
Hydrate, 60-61% Co., bbls., dlvd.lb. 2.52 - —
Linoleate, fused, 8½% Co., dms.lb. .64½- —
liquid, 6% Co., dms lb. .53¼- —
Metal, 97.99%, kgs., ex-whses lb. 2.40 - —
Naphthenate, liq., 6% Co., dms., lb. .42¾- —
Nitrate, 20.1% Co., bbls., dlvd lb. .99¼- —
Oxide, black, 70-72% Co., kgs. lb. 1.76 - —
Phosphate, powdered, 32.1% Co., kgs., dlvd lb. 1.57¾- —
Resinate, fused, 3% Co., dms lb. .27 - —
Sulphate, cryst., 21% Co., dms., dlvd lb. .81¾- —
monohydrated, 33% Co., dms. dlvd lb. 1.28½- —
Cocaine, USP, cns., 100-oz. lots oz.15.00 - —
Hydrochloride, cns, 100-oz. lots oz.11.75 - —
Cochineal, USP gray, bgs lb. .68 - .90
Cocillana bark, bgs lb. .16 - .17
Cocoa butter, bgs lb. .76 - —
Codeine, NF, cns., 100-oz. lots oz.13.25 - —
Hydrochloride, cns., 100-oz. lots.oz.11.75 - —
Phosphate, USP, cns., 100-oz. lots. oz.10.25 - —
Sulphate, USP, cns., 100-oz. lots.oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls lb. .22 - .25
Blue, bls lb. .17 - .18
Colchicine, USP, bots., cns oz.65.00 -70.00
Colchicum root, bls lb. .45 - .60
Seed, bgs lb. .80 - 1.10
Collodion, USP, dms lb. .32½- —
flexible, USP, dms lb. .34 - —
Colocynth pulp, bls lb. .30 - .35
Colombo root, bls., to arrive lb. .20 Nom.
Coltsfoot leaves, bgs lb. .25 - .30
Condurango bark, bgs lb. .17 - .18
Copaiba, balsam, cns., dms lb. .95 - 1.75
Copper acetate, bbls., c.l. works lb. .34¾- —
l.c.l., works lb. .35¾- —
Carbonate 55% bgs, works lb. .22 - .23½
Chloride, anhyd., bbls., works lb. .34½- —
crystals, bbls., works lb. .22¾- —
Cyanide, tech., bbls., over 1,000-lb. lots or more lb. .613 - —
less than 1,000 lbs lb. .633 - —
Gluconate cns., dms lb. 3.00 - 3.24
Hydrate dms. frt. alld E. Miss. lb. .36 - .36½
Metal, electrolytic lb. .24½- .27½
Naphthenate, liquid 8% Cu, dms., frt. alld lb. .22¾- —
Nitrate, tech., cryst., bbls., works. lb. .25¼- —
Oleate, solid, 9% Cu, dms., works. lb. .45 - —

Charcoal, Pinewood—Cornsilk

Copper oxide, black, bbls., works lb. .39 - .40
red, com'l, bbls., c.l., works lb. .43 - .45¼
l.c.l., works lb. .44 - .45¼
Oxychloride-sulphate, bgs., frt. alld lb. .24¼ Nom.
Quinolinolate, fib. dms lb. 4.25 - 4.50
Resinate, precip., dms., frt. alld lb. .27½- —
Stearate, ton lots, works lb. .38½- .39½
less ton lots, works lb. .40½ —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.95 - 9.35
l.c.l. 100 lbs 9.20 10.95
CP, cryst., gran., bbls, works lb. .1615 —
monohydrated, 35%, dms., c.l., works 100 lbs.14.95 -15.50
tribasic, dealers, bgs., c.l., works, frt. alld. 100-lbs.25.60 - —
l.c.l., works 100 lbs 27.10 - —
USP, gran., cryst., dms lb. .1615 .2500
Undecylenate, dms. lb. 2.90 3.00
Copperas, gran, bgs., c.l., works ton.28.50 - —
l.c.l., dlvd. Metro area 100 lbs 3.00 - —
bbls., c.l., works ton 34.00 - —
bulk c.l., works ton.21.00 - —
Copra, Atlantic Gulf ports, c.i.f ton.235.00 - —
Pacific ports, c.i.f ton.230.00 - —
Coriander seed, Argentine, bgs. lb. .13 - .13½
Czech, bgs lb .07 .07½
Moroccan, bgs lb. .05½- .06
Roumanian, bgs lb. .08 - .08¼
Corn sugar tanners, chipped, paper bgs., c.l. 60,000 lbs. min. 100 lbs. 7.31 - —
Syrup, 42°, dms., c.l. 100 lbs. 7.32 - —
l.c.l. 100 lbs. 7.47 - —
Cornsilk, bls lb. .12 - .14

"Let's use Shell ketones . . . it's the best way to give our customers high quality lacquers!"

BETTER QUALITY lacquers need cost no more to produce . . . if your formulations are based on ketones. Here is why:

● **You avoid the uncertainties in using purchased mixtures. Shell ketones are primary products made to fit your needs! Uniform high purity in every shipment of Shell ketones means uniform performance from your established formulations.**

● **You have maximum flexibility in formulating. When you buy Shell ketones, you get all active solvent. *You* select the latent solvent to best suit your own requirements.**

These are just two good reasons why lacquer manufacturers are turning to high purity Shell ketones for the finest quality lacquers. Your Shell Chemical representative will gladly help you explore the advantages of Shell ketones in your own vinyl and nitrocellulose formulations. Just write or phone.

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Corrosive Sublimate—Di-isobutylene

Corrosive sublimate, NF, cryst., dms., 50-lb. lots or more	lb.	3.68	—
gran. powd., dms., 50-lb. lots or more	lb.	3.53	—
Cottonroot bark, bls	lb.	.24	.25
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton	ton.	1.50	—
Meal, 41% protein, sacked, Memphis	ton.	78.00	80.00
Coumarin, cryst., NF, cns	lb.	2.94	3.15
powd., cans	lb.	3.20	3.25
Cramp bark, NF, bls	lb.	.80	.90
Cranesbill root, bls	lb.	.40	.41
Cream of tartar, NF, dom., gran. or powd., dms., c.l., bbls., 5,000 lbs. one shipment	lb.	.32	—
smaller lots, bbls., kgs.	lb.	.32½	—
imported, kgs	lb.	.33	.36
Creosote carbonate, NF, bots., cbys.	lb.	.25¾	—
Coaltar, crude, tanks, works, frt. adjusted	gal.	2.80	2.90
solution, 50%, tanks, works	gal.	.20	.22
refined, dms., c.l., works	gal.	.168	.2068
l.c.l., same basis	gal.	.35	—
tanks, same basis	gal.	.41	—
Wood, beechwood, cbys., dms.	lb.	.27	—
hardwood, bots., cbys	lb.	1.35	1.40
pinewood, dms	gal.	1.05	1.10
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret. dms., c.l., frt equald	lb.	.31	.32
l.c.l., same basis	lb.	.133	—
ret. dms., c.l., same basis	lb.	.136	—
l.c.l., same basis	lb.	.1325	—
tanks, same basis	lb.	.1375	—
Cresol, USP, non-ret. dms., c.l., same basis	lb.	.120	.1225
l.c.l., same basis	lb.	.143	—
ret. dms., c.l., same basis	lb.	.146	—
t.c.l., same basis	lb.	.140	—
tanks, same basis	lb.	.145	—
Crotonaldehyde, 91-93%, l.c.l., works	lb.	.130	—
Cryolite, nat., industrial, bgs., c.l., works, 100 lbs.	lb.	.24¼	.25
l.c.l., works, 100 lbs.	lb.	10.50	—
Insecticide, dealers, bgs., c.l., dlvd., 100 lbs.	lb.	11.25	11.50
t.c.l., dlvd., 100 lbs.	lb.	15.25	—
Cube root, powd., 5% rotenone, bgs., works	lb.	16.25	—
Cubeb berries, XX, NF, bgs	lb.	.23	.25
powd., cs.	lb.	.50	.51
Culvers root, bbls	lb.	.58	.59
Cumene, dms., c.l., works	lb.	.60	.61
l.c.l., works	lb.	.12	—
tanks, works	lb.	.14	—
Cumin seed, Iranian, bgs	lb.	.11	—
Moroccan, bgs	lb.	.14	.14½
Syrian, bgs	lb.	.22	Nom.
Turkish, bgs	lb.	.17	Nom.
Cutch extract, 55% tannin bgs., ex dock, duty extra	lb.	.14	.14½
Cyanamide, fertilizer mixing grades, 20.6% N, gran. bgs., Niagara Falls, Ont., contract	ton.	.06¼	—
pulv., 21% N, bgs., works, unit ton	ton.	62.50	—
Cyclohexane, tech., 95%, dms., c.l., dlvd.	lb.	2.90	—
l.c.l., dlvd.	lb.	.11	—
tanks, dlvd.	lb.	.11¾	—
Cyclohexanol, tech., dms., c.l., works, frt. alld. E.	lb.	.09¼	—
l.c.l., works, same basis	lb.	.24¾	.37¾
tanks, works, same basis	lb.	.25¼	.38¼
	lb.	.23¼	.36¼
Cyclohexanone, tech., dms., c.l	lb.	.26½	.30
l.c.l., works	lb.	.27	.31
tanks, works	lb.	.25	.29
Cyclohexylamine, dms., c.l., works	lb.	.41½	—
l.c.l., works	lb.	.42½	—
tanks, works	lb.	.40	—
Cyclopropane, CP, 2 lb. cyls., works	cyl.	1.48.00	—
6 oz. cyls., works	cyl.	1.12.00	—
USP, hospitals, cyls., 40 gal. lots	gal.	.38	—
100-gal. lots	gal.	.37	—
200-gal. lots	gal.	.36	—

D

2, 4-D bbls., c.l., works, frt. equald.	lb.	.61	—
l.c.l., same basis	lb.	.67	—
Isopropyl ester, dms., c.l., works	lb.	.67	—
l.c.l., works	lb.	.72	.74
Damiana leaves, bls	lb.	.28	.30
Dandelion root, bls	lb.	.45	.50
DDD, tech., fine grd., fib. dms., c.l., works	lb.	.50	—
l.c.l., works	lb.	.51	—
DDT, fiber dms., c.l., works, frt. equald	lb.	.23	.26
smaller lots, same basis	lb.	.24	.29
Decanol, normal, tech., dms., c.l., dlvd	lb.	.419	—
l.c.l. dlvd	lb.	.439	—
tanks, dlvd	lb.	.394	—
Deertongue leaves, bls	lb.	.42	.43
Defluorinated phosphate, 13% P. paper bgs., works	ton.	49.25	—
18½% P. paper bgs., works	ton.	62.75	63.75
Rock, 14½% P. paper bgs., works	ton.	50.00	—
Degras, common, bbls	lb.	.11	.12
crude, centrifugal, bbls	lb.	.18	.20
neutral, less 2% ffa., bbls	lb.	.22½	—
over 2% ffa., bbls	lb.	.30	—
Derris root, 5% rotenone powd., bbls	lb.	.32	.35
Desoxyephedrine hydrochloride, dextro, bots	lb.	25.00	—
dextro-laevo, bots	lb.	7.50	—
Dextrin, corn, gum, paper bgs., c.l., N.Y., 100 lbs.		8.95	—
l.c.l., 100 lbs.		9.10	—
canary paper bgs., c.l., 100 lbs.		8.69	—
l.c.l., 100 lbs.		8.84	—
dark, paper bgs., c.l., 100 lbs.		8.79	—
l.c.l., 100 lbs.		8.94	—
white, paper bgs., c.l., 100 lbs.		8.53	—
l.c.l., 100 lbs.		8.68	—
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.			
Potato, bgs.	lb.	.10½	.11
Dextrose, USP, dms	lb.	.17¾	—
Diacetone (see Alcohol, diacetone).			
Diacetyl, flavor grade, bots	lb.	4.50	4.60
laboratory grade, bots. 100 grams		4.50	—
tech., bots., works	lb.	3.00	—
Diamyl ether (see Ether, amyl).			
Diamsidin, dms	lb.	1.90	—
Diatomaceous earth, dms., bgs., c.l., Atlantic coast	ton.	52.00	55.00
California	ton.	42.00	45.00
t.c.l., ex whse	ton.	85.00	90.00
purified, bgs., c.l., Atlantic coast	ton.	65.00	—
California	ton.	53.00	—
t.c.l., ex whse	ton.	95.00	100.00
Atlantic coast	ton.	95.00	100.00
Imported, Mexican, white, bgs., c.l., Atlantic coast	lb.	.03	—
t.c.l., Atlantic coast	lb.	.06	—
Dibenzyl sebacate, CP, dms., c.l., works	lb.	.32	—
t.c.l., works	lb.	.33¾	—
tanks, works	lb.	.31	—
Dibutyl pthalate, dms., c.l., dlvd., E	lb.	.35¾	—
t.c.l., same basis	lb.	.36¾	—
tanks, same basis	lb.	.34	.34½
Sebacate, CP, dms., c.l., works	lb.	.32	—
t.c.l., works	lb.	.33	—
tanks, works	lb.	.30¼	—
tech., dms., c.l., works	lb.	.30	—
t.c.l., works	lb.	.31	—
tanks, works	lb.	.28¼	—
Dibutylamine, dms., c.l., frt. alld. E. of Rockies	lb.	.54¾	—
t.c.l., same basis	lb.	.55¾	—
tanks, same basis	lb.	.53	—
Dicapryl pathalate, dms., c.l., dlvd.	lb.	.36¾	.38¾
t.c.l. dlvd	lb.	.37	.39¾
tanks, dlvd	lb.	.35	.37
Sebacate, dms., c.l., works	lb.	.73½	—
t.c.l., works	lb.	.79½	—
tanks, works	lb.	.76¾	—
Dichloroamin, dms., works	lb.	.75	.83
Dichlorodiphenyltrichloroethane (see DDT).			
Dichloroethyl ether (see Ether, dichloroethyl).			
Dichloropentanes, dms., c.l., works	lb.	.05	—
l.c.l., works	lb.	.05¾	—
tanks, works	lb.	.04¾	—
Dicyclohexylamine, dms., c.l., works	lb.	.46	—
t.c.l., works	lb.	.46¾	—
tanks, works	lb.	.44½	—
Dicyclohexylphthalate, fib. dms., c.l., works	lb.	.60	—
t.c.l., same basis	lb.	.61	—
Dieldrin, dms., frt. alld	lb.	2.00	—
t.c.l., frt. alld	lb.	2.40	—
Diethanolamine, dms., c.l., dlvd. E.	lb.	.29¼	—
t.c.l., same basis	lb.	.30¼	—
tanks, same basis	lb.	.27½	—
Diethyl carbonate, dms., c.l., frt. alld	lb.	.46¾	—
t.c.l., same basis	lb.	.47¾	—
tanks, same basis	lb.	.45	—
Maleate, dms., c.l., dlvd	lb.	.50	—
t.c.l., dlvd	lb.	.48¼	—
tanks, dlvd	lb.	.48½	—
Oxalate, dms., c.l., frt. alld	lb.	.41¾	—
t.c.l., same basis	lb.	.42¾	—
tanks, same basis	lb.	.40	—
Phthalate, dms., c.l., dlvd	lb.	.26¾	—
t.c.l., dlvd.	lb.	.27¾	—
tanks, dlvd.	lb.	.25	—
Sulphate, dms., c.l., works	lb.	.18¾	—
t.c.l., works	lb.	.19¼	—
tanks, works	lb.	.17	—
Diethylamine, dms., c.l., dlvd. E	lb.	.50¼	—
l.c.l., same basis	lb.	.51¼	—
tanks, same basis	lb.	.48½	—
Diethylaniln, dms	lb.	.43	—
Di-2-ethylhexyl adipate (see Dioctyl adipate).			
Di-2-ethylhexyl phthalate (see Dioctyl phthalate).			
Diethyleneglycol, dms., c.l., dlvd. E.	lb.	.20¼	—
t.c.l., same basis	lb.	.21¼	—
tanks, same basis	lb.	.18½	—
Borborate, dms., t.c.l	lb.	.50½	—
Diethylether, dms., c.l., works	lb.	.46½	—
t.c.l., works	lb.	.47	—
Monobutylether, dms., c.l., works.	lb.	.28¾	—
t.c.l., works	lb.	.29¼	—
tanks, works	lb.	.27	—
Monobutylether acetate, dms., c.l., works	lb.	.30	—
t.c.l., works	lb.	.30½	—
Monoethylether, dms., c.l., dlvd	lb.	.20¾	—
t.c.l., dlvd	lb.	.21½	—
tanks, dlvd	lb.	.19½	—
Monoethylether acetate, dms., c.l., works	lb.	.26¾	—
t.c.l., works	lb.	.27¼	—
Monomethylether, dms., c.l., works	lb.	.24½	—
t.c.l., works	lb.	.25¼	—
tanks, works	lb.	.23½	—
Diethylenetriamine dms., c.l., dlvd E.	lb.	.43	—
t.c.l., same basis	lb.	.44	—
tanks, same basis	lb.	.41½	—
Diethylethanolamine, dms., c.l., dlvd	lb.	.67½	—
t.c.l., same basis	lb.	.68½	—
tanks, same basis	lb.	.65¾	—
Diethylstilbestrol, USP, bots., 10-kilo lots	kilo.	115.00	150.00
1 kilo tot	kilo.	135.00	150.00
Digitalis leaves, USP, dom., dms.	lb.	1.05	1.10
Digitoxin, USP, bots	gram.	6.50	8.00
Diglycol laurate, dms	lb.	.30½	.34
Oleate, dms	lb.	.28½	.29½
Stearate, dms	lb.	.25	.26½
Dihexyl sebacate, dms., c.l., works.	lb.	.76½	—
t.c.l., works	lb.	.77½	—
tanks, works	lb.	.74¾	—
Dihydrazine sulphate, dms., works	lb.	1.10	1.25
Dihydrostreptomycin, either hydrochloride or sulphate, bulk	gram.	.21	—
Dihydroxydichlorodiphenylmethane, pure, dms	lb.	2.80	3.00
tech., dms.	lb.	1.04	1.14
Di-isobutyl ketone, dms., c.l., dlvd.	lb.	.15¼	—
t.c.l., dlvd.	lb.	.16¼	—
tanks, dlvd.	lb.	.13½	—
Phthalate, dms., c.l., dlvd. E	lb.	.34¾	—
t.c.l. dlvd. E.	lb.	.35¾	—
tanks, dlvd., E.	lb.	.33	—
Di-isooctylene, dms., c.l., works	lb.	.09½	—
t.c.l., works	lb.	.10	—
tanks, works	lb.	.07½	—

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INDUSTRIAL CHEMICALS

isobutyl acetate

OPERATION PIGGY BANK

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TENNESSEE EASTMAN COMPANY, Division of Eastman Kodak Company, KINGSPORT, TENNESSEE

Di-iso-octyl phthalate, dms., c.l., dlvd. lb. .38¾ - —
i.c.l., same basis lb. .39¾ - —
tanks, same basis lb. .37 - —
Di-isopropylamine, dms., c.l., dlvd. E. of Rockies lb. .49¾ - —
i.c.l., same basis lb. .50¾ - —
tanks, same basis lb. .48 - —
Dillseed, dewhiskered, bgs lb. .13½ - —
natural, bgs lb. .11 - .11½
Dimethyl anthranilate, cns lb. 5.50 - 5.90
Chloroacetal, dms., c.l., works lb. .53 - —
i.c.l., works lb. .55 - —
tanks, works lb. .51 - —
Hydroquinone, dms. lb. 2.25 - 2.75
Phthalate, dms., c.l., dlvd lb. .29¼ - —
i.c.l., dlvd lb. .30¼ - —
tanks, dlvd lb. .27½ - —
Sebacate, dms., c.l., works lb. 1.31¾ - —
i.c.l., works lb. 1.32¾ - —
tanks, works lb. 1.30 - —
Sulphate, 55 gal. ret. dms., c.l., works lb. .18 - —
i.c.l., works lb. .16 - —
10-gal. ret dms., works lb. .16½ - —
Dimethylamine, 25-40%, dms., c.l., works, basis 100% lb. .37 - .38
i.c.l., works, basis 100% lb. .37½ - .38¼
tanks, works, basis, 100% lb. .33 - —
Dimethylaniiin, dms., c.l., frt. alld. lb. .26 - —
i.c.l., frt. alld lb. .27 - —
tanks, frt. alld lb. .25 - —
Dimethylethanolamine, anhydrous, dms., c.l., dlvd lb. 1.43 - —
i.c.l., dlvd lb. 1.45 - —
tanks, dlvd lb. 1.40 - —
70%, dms., c.l., dlvd., basis 100%. lb. .54 - —
i.c.l., dlvd. lb. .55 - —
tanks, dlvd lb. .52¼ - —
Dimethylformamide, dms., works lb. .37 - —
tanks, works lb. .34 - —
Dinitroaniiin dms., frt. equald lb. .57 - —
Dinitrobenzene, crude, dms lb. .20 - —
purified, dms lb. .22 - —
Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .15¼ - —
i.c.l., frt. alld. E lb. .15¾ - —
tanks, frt. alld. E lb. .15 - —
Dinitrophenol, obls. lb. .34 - —
Dinitrotoluene oily, dms. lb. .10 - —
refined, dms. lb. .21 - —
Dioctyl adipate, dms., c.l., works lb. .44¾ - —
i.c.l., works lb. .45¾ - —
tanks, works lb. .43 - —
Phthalate, dms., c.l., frt. alld lb. .58¾ - .41¾
i.c.l., frt. alld lb. .36¾ - .42¾
tanks, frt. alld lb. .37 - .40
Diorthotolylguanidin, dms., ton lots, dlvd lb. .54 - —
smaller lots, dlvd lb. .55 - —
Dioxane, dms., c.l., works lb. .28¾ - —
i.c.l., same basis lb. .29¼ - —
tanks, same basis lb. .27 - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., c.l., works, lb. .34 - —
i.c.l., works lb. .37 - —
Dipentene, dest-dist., dms., extra, c.l., works gal. .49 - —
i.c.l., works gal. .50 - —
whse. gal. .68 - —
steam-dist., dms., c.l., works, South gal. .60 - —
i.c.l., works, South gal. .69 - —
dlvd. N. Y. lb. .83 - —
Diphenyl, bbls. c.l., works lb. .15 - —
i.c.l., works lb. .16 - —
Diphenyl in bags ¼c. lower.
Oxide, perfume grade, cns lb. .54 - .65
Phthalate, dms., c.l., works lb. .51¾ - —
i.c.l., same basis lb. .53¾ - —
Diphenylamine, refined, gran., bbls., c.l., works lb. .28 - —
i.c.l., works lb. .30 - —
tanks, works lb. .25 - —
tech, tanks, works lb. .24 - —
Diphenylguanidin, dms., ton lots lb. .44½ - —
smaller lots lb. .45½ - —
Diphenylhydantoin-sodium, USP, dms. lb. 5.30 - 5.60
Dipropyleneglycol, dms., c.l., frt. alld lb. .16¾ - .17
i.c.l., same basis lb. .17¾ - .18
tanks, same basis lb. .15 - —
Methylether, dms., c.l., dlvd. E lb. .20¾ - —
i.c.l., same basis lb. .21¾ - —
tanks, same basis lb. .19¼ - —
Di-secondary-amylphenol, dms., c.l., works lb. .30¼ - —
i.c.l., works lb. .33¼ - —
tanks, works lb. .28¼ - —
Di-tertiary-amylphenol, dms., c.l., works lb. .30¼ - —
i.c.l., works lb. .33¼ - —
tanks, works lb. .28¼ - —
Di-tertiary butylmetacresol, dms., c.l., works lb. .31 - —
i.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Di-tertiary butylparacresol, dms., c.l., works lb. .91 - —
i.c.l., works lb. .95 - —
Divi-divi, 45% tannin bgs., bls., c.l., U.S. ports, exdock ton 70.00 - 72.00
Divinylbenzene 20-25%, dms., c.l., works lb. .20 - —
i.c.l., works lb. .21 - —
tanks, works lb. .19 - —
40-50%, basis 100%, dms., c.l., works lb. 1.00 - —
i.c.l., works lb. 1.15 - —
Dodecylbenzene, dms., c.l., frt. equald lb. .14½ - —
i.c.l., same basis lb. .15½ - —
tanks, same basis lb. .12½ - —
Doggrass root, dom., cut, bls lb. .26 - .28
imp., cut, bls lb. .28 - .35
Dogwood bark, Jamaica, bls lb. .11 - .13
Dragon's blood, mass, cs lb. 1.25 - 1.30
reeds, cs. lb. 1.40 - 1.45

Dyes, coaltar, certified colors for food drugs and cosmetics, 5-lb. and 1-lb. lots dlvd:—
Blue, FD&C, No. 1, cns lb. 17.00 - 17.60
No. 2, cns lb. 17.00 - 17.60
Green, FD&C, No. 1, cns lb. 17.00 - 17.60
No. 2, cns lb. 22.20 - 22.85
No. 3, cns lb. 35.25 - 35.90
Orange, FD&C, No. 1, cns lb. 3.65 - 3.75
No. 2, cns lb. 4.65 - 4.75
Red, FD&C, No. 2, cns lb. 7.55 - 7.85
No. 2, cns lb. 4.00 - 4.10
No. 3, cns lb. 22.20 - 22.85
No. 4, cns lb. 7.20 - 7.50
No. 32, cns lb. 5.30 - 5.40
Violet, FD&C, No. 1, cns lb. 17.00 - 17.60
Yellow, FD&C, No. 1, cns lb. 10.50 - 11.05
No. 3, cns lb. 3.30 - 3.40
No. 4, cns lb. 3.30 - 3.40
No. 5, cns lb. 4.00 - 4.10
No. 6, cns lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd.:—
Black, D&C, No. 1, cns lb. 10.95 - —
Blue, D&C, No. 9, cns lb. 16.10 - —
Brown, D&C, No. 1, cns lb. 16.10 - —
Green, D&C, No. 5, cns lb. 16.10 - —
No. 6, cns lb. 16.10 - —
No. 7, cns lb. 14.80 - —
Orange, D&C, No. 3, cns lb. 10.95 - —
No. 4, cns lb. 20.05 - —
No. 5, cns lb. 5.70 - —
No. 10, cns lb. 20.70 - —
Red, D&C, No. 8, cns lb. 2.85 - —
No. 9, cns lb. 2.85 - —
No. 10, cns lb. 2.30 - —
No. 11, cns lb. 1.85 - —
No. 12, cns lb. 2.65 - —
No. 17, cns lb. 10.95 - —
No. 18, cns lb. 24.00 - —
No. 19, cns lb. 15.45 - —
No. 21, cns lb. 3.60 - —
No. 22, cns lb. 10.95 - —
No. 28, cns lb. 24.65 - —
No. 33, cns lb. 17.45 - —
Violet, D&C, No. 2, cns lb. 16.10 - —
Yellow, D&C, No. 7, cns lb. 10.95 - —
No. 10, cns lb. 13.50 - —
No. 11, cns lb. 13.50 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext., D&C, No. 1, cns lb. 16.10 - —
Green, Ext., D&C, No. 1, cns lb. 16.10 - —
Red, Ext., D&C, No. 1, cns lb. 13.50 - —
Yellow, Ext., D&C, No. 1, cns lb. 10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.
20 Chrysoidine Y lb. .64 - —
27 Fast light orange 2G lb. .78 - —
31 Phloxine 2G lb. .64 - —
36 Alizarine yellow 2G lb. .83 - —
40 Orange II extra, conc lb. 1.06 - —
57 Fuchsine 6B lb. .98 - —
79 Scarlet 2R lb. .74 - —
151 Orange V lb. .46 - —
161 Orange RR lb. .55 - —
176 Fast red A, conc lb. .90 - —
179 Azo rubine XX, conc lb. 1.04 - —
180 Blue F4B lb. .92 - —
185 Brilliant scarlet 3RN, conc lb. .93 - —

Di-iso-octyl Phthalate—Dyes, Coaltar, General Use, No. 1151

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.
202 Chrome blue black, conc lb. .68 - —
203 Chrome black T lb. .71 - —
208 Fast blue SR lb. .91 - —
216 Chrome red B lb. .84 - —
234 Brown Y lb. .89 - —
246 Blue black, extra, conc lb. .86 - —
275 Milling red 3R, conc lb. 2.03 - —
289 Navy blue 3R, conc., 125%, lb. 1.08 - —
299 Black I, conc lb. 1.40 - —
304 Neutral black 2B, conc., 200% lb. 2.01 - —
326 Fast scarlet 4BNC lb. 1.64 - —
332 Bismarck brown RX, conc. lb. .86 - —
365 Brilliant yellow, conc lb. 2.34 - —
382 Scarlet B lb. 1.65 - —
401 Diazo black, BHD lb. .63 - —
406 Blue 2B extra, conc lb. 1.07 - —
419 Diamine fast red FC lb. 1.12 - —
420 Diamine brown M lb. .90 - —
448 Benzo purpurine 4B, conc. lb. 1.18 - —
518 Diamine sky blue FF, extra, conc. lb. 1.50 - —
561 Trisulphon brown BCW, conc lb. 2.03 - —
581 Direct black E, double lb. .89 - —
593 Direct Green lb. .65 - —
596 Yellow Brown K extra lb. .83 - —
620 Stilbene yellow G, conc lb. .92 - —
639 Xylene light yellow GX lb. 1.79 - —
640 Tartrazine, conc lb. 1.46 - —
655 Auramine, conc lb. 1.85 - —
657 Victoria Green sml. cryst. lb. 1.70 - —

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.
662 Brilliant green cryst lb 2.79 - —
667 Brilliant milling green B, conc lb 3.68 - —
671 Brilliant Blue, E lb. 1.70 - —
698 Formyl violet S4B lb. 1.58 - —
681 Crystal violet powder lb. 2.15 - —
698 Formyl violet S4B lb. 1.58 - —
720 Chrome blue, BBG lb. 1.88 - —
729 Victoria blue, B, conc lb. 2.79 - —
749 Rhodamine B, extra lb. 4.33 - —
814 Fast, yellow, NNL, conc., 175% lb. 3.11 - —
841 Safranine T, extra, conc., 125% lb. 2.90 - —
865 Nigrosine, WSJ lb. .68 - —
922 Methylene blue, ZX lb. 1.55 - —
978 Sulphogene carbon, GXCF, grains lb. .32 - —
1034 Alizarin, red S, cnc lb. 2.59 - —
1054 Anthraquinone, blue, B lb. 2.91 - —
1078 Anthraquinone, green, G lb. 2.72 - —
1085 Alizarin, blue, black, B lb. 2.33 - —
1096 Indanthrene, golden orange, GFD, single paste lb. 2.00 - —
1099 Indanthrene, dark blue BO, single paste lb. 1.75 - —
1101 Brilliant green N, double paste lb. 2.36 - —
1106 Indanthrene blue RS, double paste lb. 2.57 - —
1113 Indanthrene blue BLNS double paste lb. 1.93 - —
1150 Indanthrene olive R, single paste lb. 1.10 - —
1151 Indanthrene brown R, single paste lb. 1.68 - —

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Ethylene Glycol
Ethylene Dichloride
Diethylene Glycol
Monoethanolamine
Diethanolamine
Triethanolamine
Nonyl Phenol
Morpholine
Ethylene Carbonate
Propylene Carbonate

Jefferson CHEMICAL COMPANY, INC.
260 MADISON AVENUE, NEW YORK 16, N. Y.

HOUSTON SALES OFFICE: 318 MELROSE BUILDING, HOUSTON 2, TEXAS
WAREHOUSE STORES: TENAFLY, NEW JERSEY; CHICAGO, ILLINOIS; HOUSTON, TEXAS

Briefs

From recent literature

No. 4 in a Series

Copolymers of vinylidene chloride and ethylene oxide made by reacting the materials in an aqueous medium at moderate temperatures, usually from 35 to 60°C, using an emulsifying agent and polymerization catalyst are readily molded at 135°C. Unmodified vinylidene chloride polymer can only be molded above 180°C.

A fumigant consisting of ethylene oxide and ethylene dichloride may be used in the packaging of dried fruit to destroy the bacteria, molds, and yeasts without heat treatment. The application is made using small pervious cartons which are sealed in a larger master container.

Petroleum emulsions of the water-in-oil type may be resolved by subjecting the emulsion to the action of a demulsifier which is an oxyalkylation product of ethylene oxide and a hydroxyacetic acid-esterified ethylene oxide-modified phenol-aldehyde resin.

A water-insoluble hard resin is yielded by the reaction of ethylene oxide with petroleum hydrocarbon-insoluble pine wood resin. Ethylene oxide is gradually charged to an autoclave containing the pine wood resin and a sodium methylate catalyst. Agitation is used and reaction temperature is maintained at temperatures from 100 to 140°C.

These developments are abstracted from recent publications or U. S. patents. They may suggest applications of Jefferson Ethylene Oxide in your products or processes.

Dyes, Coaltar, General Use, No. 1171—Fishberries

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.

1171 Indigo, synthetic, 20% paste, lb. .28 • —
double paste lb. 3.35 • —
1217 Sulphanthrene orange R, single paste lb. 1.65 • —
p-4 Acid anthracene, brown, PGN, lb. 2.30 • —
p-14 Anthracene chromate brown, 2B lb. 1.31 • —
p-24 Benzo fast black L lb. 1.45 • —
p-80 Diazo brilliant scarlet ROA, lb. 2.79 • —
p-202 Diazo black VJ, conc lb. 1.58 • —
p-313 Naphthol AS-SW lb. 2.42 • —
p-244 Celliton scarlet B lb. 1.31 • —
1078 Anthraquinone green G lb. 2.72 • —
1085 Alizarin blue black B lb. 2.33 • —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black blue No. 550 lb. .81 • —
Jet, No. 551 lb. .89 • —
Brown R, conc. lb. 1.72 • —
Orange R, brilliant lb. .90 • —
Red 4 B, conc. lb. 1.37 • —
Yellow C lb. 1.18 • —
FN, conc. lb. 1.22 • —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms, sellers' works:—

Auramine, O lb 1.85 • —
Black, basic blue lb 1.21 • —
Jet lb 1.21 • —
Blue, methylene, 2 B, conc. lb. 1.55 • —
Brown, Bismarck, R, conc lb. .86 • —
Chrysodine, R, extra lb. .60 • —
Y, extra lb. .64 • —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms, sellers' works:—

Fuchsine, conc. lb. 3.08 • —
Green, malachite, conc lb. 2.10 • —
Rhodamine, B lb. 4.33 • —
Safranine, Y, conc lb. 2.90 • —
Violet, methyl, B lb. 1.10 • —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works:

Azo rubine R, extra, conc lb. 1.04 • —
Black, acid blue, B, extra lb. .86 • —
Fast light, 3 G, extra lb. 2.04 • —
Methanil, conc lb. .91 • —
Orange, Acid, Y, conc lb. .47 • —
Scarlet, croceine, MOO lb. 1.45 • —
Yellow, azo-, conc lb. .90 • —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

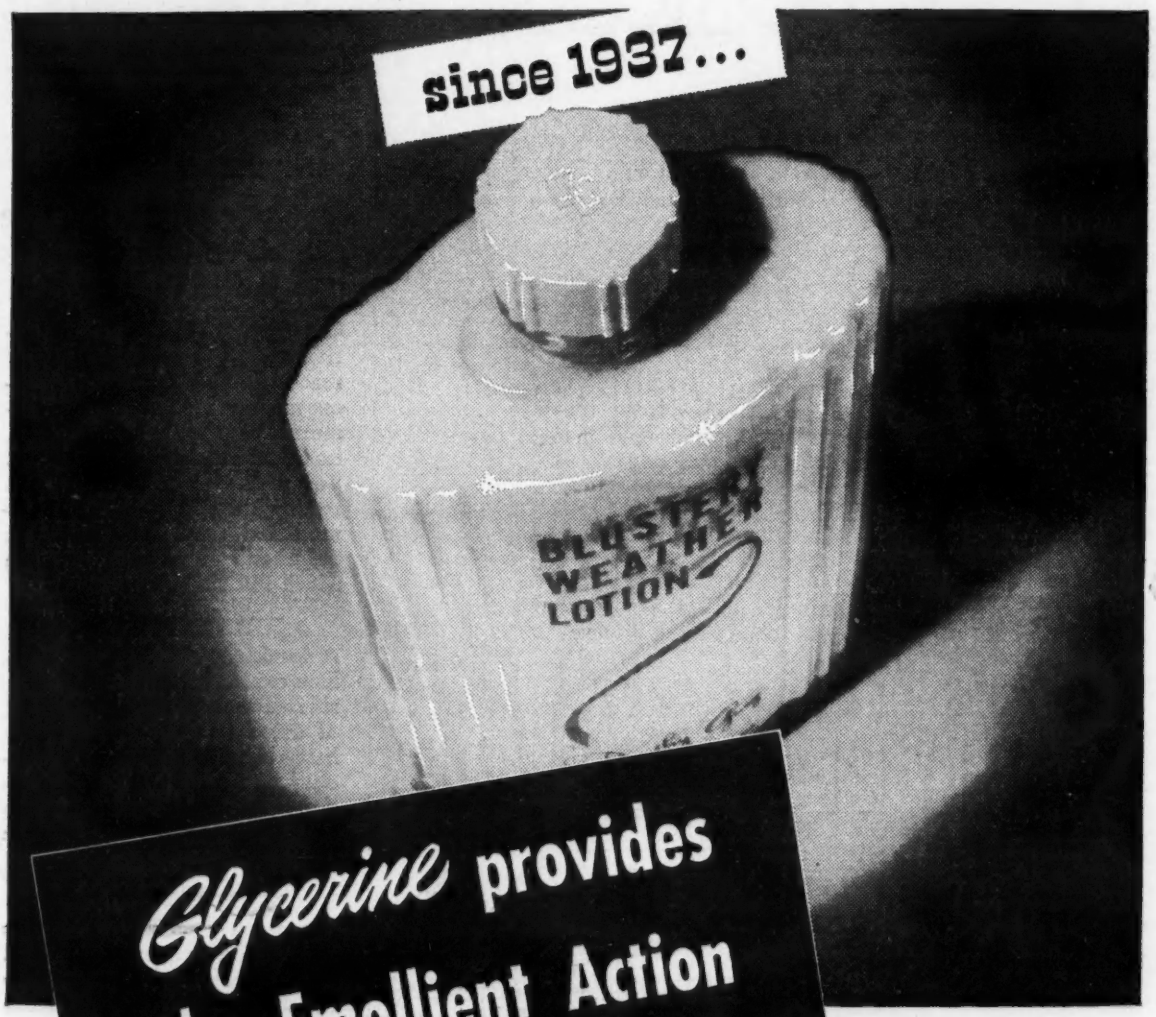
E

Echinacea root, bls lb. .90 Nom.
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. 1.00 • 1.02
Chinese, spot, bbls., duty paid lb. No stocks.
tanners, bbls lb. .06 • .06½
Elder flowers, bright, bls lb. .30 • .40
Elecampane root, bls lb. .23 • .25
Elm bark, grinding, bls lb. .23 • .29
powd., bbls., bxs lb. .46 • .47
select, bundles lb. .60 • .61
Emetine hydrochloride, USP, bots., oz. 35.00 -42.85
Ephedrine, synthetic, USP, anhydrous bots., 100-oz. lots oz. .98 • 1.00
hydrous, bots., 100-oz. lots oz. .92 • —
Hydrochloride, tin. 100-oz. lots oz. .75 • —
Sulphate cryst., tins, 100-oz. lots oz. .72 • —
powd., tins, 100-oz. lots oz. .73 • —
Epichlorohydrin, dms., c.l., works lb. .38¾- —
l.c.l., works lb. .39½- —
tanks, works lb. .37 • —
Epinephrine, synth., USP, bots., 100 grams gram. .45 • .55
Epsom salt, tech., bgs., c.l., works, 100 lbs. 2.15 • —
l.c.l., works 100 lbs. 2.90 • 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 • —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 • —
smaller lots 100 lbs. 3.35 • —
Ergosterol, unirradiated, cryst. kilo 150.00 • —
Ergot, NF, dms., tin-lined lb. 2.50 • 3.10
Eserine, bots oz. 45.00 -50.00
Salicylate USP, bots oz. 32.50 -34.00
Sulphate, bots oz. 34.50 -35.50
Ether acetate (see Ethyl acetate)
Butyl, dms., c.l., works lb. .31½- —
l.c.l., works lb. .32 • —
tanks, works lb. .30 • —
Butyric (see Ethyl butyrate).
Dichloroethyl, reid., dms., c.l., frt. alld. E lb. .14 • .14½
l.c.l., same basis lb. .15 • .16
tanks, same basis lb. .13 • —
technical, dms., c.l., works lb. .13 • —
l.c.l., works lb. .13½- —
tanks, works lb. .12 • —
Ethyl, absolute, ACS, dms lb. .37 • —
anesthesia, USP, hospitals, 1-lb. cns lb. .89 • —
½-lb cns lb. .97 • —
¼ lb cns lb. 1.05 • —

Ether, ethyl, solvent, USP, dms., c.l., dlvd lb. .15¾- —
l.c.l., same basis lb. .16¾- —
tanks, same basis lb. .13¾- —
synthetic, dms., c.l., dlvd, E lb. .1375- —
l.c.l., same basis lb. .1675- —
tanks, same basis lb. .1375- —
Isopropyl, dms., c.l., dlvd lb. .0675- .0836
l.c.l., dlvd lb. .0750- .0936
tanks, dlvd lb. .05 • .07½
Nitrous, conc., bots., 100-lb. lots lb. 1.23 • 1.35
Vinyl, USP, anesthesia, bots., 50 cc. hospitals bot. 1.12 • —
75 cc. hospitals bot. 1.56 • —
Ethyl acetate, natural, fermentation 85-88%, dms., c.l., frt. alld. lb. .12¾- —
l.c.l., frt. alld lb. .13¾- —
tanks, frt. alld lb. .11 • —
95-98%, dms., c.l., frt. alld. lb. .13 • —
l.c.l., frt. alld lb. .13¾- —
tanks, frt. alld lb. .11¼- —
99%, dms., c.l., frt. alld lb. .13¼- —
l.c.l., frt. alld lb. .14 • —
tanks, frt alld lb. .11½- —
NF, dms., frt. alld lb. .24 • .25
synthetic, 85-90%, dms., c.l., frt. alld lb. .12¾- —
l.c.l., frt. alld lb. .13½- —
tanks, frt alld lb. .11 • —
95-98%, dms., c.l., frt. alld. lb. .13 • —
l.c.l., frt. alld lb. .13¾- —
tanks, frt. alld lb. .11¼- —
99%, dms., c.l., frt. alld lb. .13¼- —
l.c.l., frt alld lb. .14 • —
tanks, frt alld lb. .11½- —
Acetoacetate, dms., c.l., dlvd lb. .55 • —
l.c.l., dlvd lb. .56½- —
Acrylate dms., c.l., and truck load, works lb. .49 • —
less than truckload, works lb. .49½- —
tanks, works lb. .48 • —
Aminobenzate, USP (see Benzocaine)
Benzoate, cns. dms lb. .74 • .79
Bromide, tech., 98%, dms lb. .43 • .47
Butyrate, works lb. .80 • 1.02
Carbamate (see Urethane).
Chloride, tech. dms. c.l., works, lb. .18 • .20
cyls., c.l., same basis lb. .20 • .22
tanks, same basis lb. .10 • —
USP, bbls, cyls lb. .22 • .24
Cinnamate, cns lb. 2.28 • 2.33
Formate, dms lb. .60 • —
Gallate, dms., 100 to 2,000-lb. lots lb. 3.90 • 4.40
Iodide, bots., works lb. 4.13 • —
Lactate, dms., works lb. .47½- —
Methacrylate, dms., c.l., and truckload, works lb. .50 • —
less than truckload works lb. .50½- —
Nitrite (see Ether nitrous).
Oenanthate, dms lb. 1.00 • 1.50
Oleate, dms., l.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate, dist. (see Tetraethylorthosilicate).
40% available SiO, dms., works, lb. .60½- —
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).
Ethylamine (see Mono-, Di- or Tri-)
Ethylanilin (see Monoethylanilin)
Ethylbenzene, 99%, dms., c.l. lb. .14 • .20¼
l.c.l. lb. .15 • .21¼
tanks lb. .13 • .18½
Ethylbutyl ketone, dms., c.l., works, lb. .33½- —
l.c.l., works lb. .34 • —
tanks lb. .32 • —
Ethylcellulose, vis. 7 cps., bgs., 5,000 lb. lots or more, works lb. .70 • —
smaller lots, works lb. .72 • .80
vis. 10, 20, 50, 100, 150 cps., bgs., 5,000-lb. lots or more, works lb. .65 • —
smaller lots lb. .67 • .75
Ethylene dichloride, dms., c.l., divd, E lb. .11¾- —
l.c.l., same basis lb. .12¾- —
tanks, same basis lb. .10 • —
Ethylene dichloride prices W. of Rockies, 1c per lb. higher.
Oxide, cyls., c.l., works lb. .26 • —
l.c.l., works lb. .27 • —
tanks, divd E lb. .19 • —
Trichloride (see Trichloroethane).
Ethylenediamine, 76% basis 100%, dms., c.l., divd lb. .46 • —
l.c.l., divd lb. .47 • —
tanks, divd lb. .44 • —
Ethyleneglycol, dms., c.l., frt. alld, E lb. .18¾- —
l.c.l. same basis lb. .19¾- —
tanks, same basis lb. .17 • —
Monobutylether, dms., c.l., divd, lb. .21½- —
l.c.l., divd lb. .22½- —
tanks, divd lb. .20 • —
Monoethylether, dms., c.l., divd lb. .20 • —
l.c.l., divd lb. .21 • —
tanks, divd lb. .18½- —
Monoethylether, acetate, dms., c.l., divd lb. .18¼- —
l.c.l., divd lb. .19¼- —
tanks, divd lb. .16½- —
Monoethylether, dms., c.l., divd, lb. .21½- —
l.c.l., divd lb. .22½- —
tanks, divd lb. .20 • —
Monomethylether acetate, dms., c.l., works lb. .28¾- —
l.c.l., works lb. .29¼- —
tanks, works lb. .27 • —
Monostearate, dms lb. .30 • .37
Ethylethanolamines, mixed, dms., c.l., frt alld., E, Miss lb. .42 • —
l.c.l., same basis lb. .43 • —
tanks, same basis lb. .40 • —
Ethylmorphine hydrochloride, USP, bots oz. 11.85 • —
Ethylorthotoluidine (see Monoethylorthotoluidin).
Ethylvanillin, cns., 25-lb. lots lb. 6.75 • 7.30
smaller lots lb. 7.35 • 7.40
Eucalyptol, USP, cns., dms lb. 1.45 • 1.70
Eucalyptus leaves, bls lb. .10 • .11
Eugenol, pure, USP, bots lb. 2.25 • 2.85
Euphorbia herb, bls lb. .12 • .14

F

Feldspar, enamel, 100 mesh, bgs., works ton. 20.00 -22.00
Glass, 20 mesh bulk, tons, works ton. 11.75 -12.50
Pottery, bgs., ton lots, works ton. 20.00 -22.00
bulk, c.l., works ton. 18.00 -20.00
Fennel seed, Czech, dark, bgs lb. .17½- .18
French, bgs lb. .30 • —
Syrian, light, bgs lb. .29 Nom.
Fenugreek seed, Moroccan, bgs lb. .06 • .06½
Ferric-ammonium citrate (see Iron ammonium citrate).
Ferric cacodylate (see Iron cacodylate).
Ferric glycerophosphate (see Iron glycerophosphate).
Ferric hypophosphite (see Iron hypophosphite).
Ferric sulphate (see Iron sulphate-ferric).
Ferrous gluconate, NF, dms lb .88 • .97
Fir balsam, Canada, cns gal. 31.00 -32.00
Oregon, bbls gal. 2.85 Nom.
Fishberries, bgs lb. .17 • .21



Glycerine provides the Emollient Action

Ever since its introduction in 1937, Dorothy Gray's "Blustery Weather Lotion" has been a great favorite with women who want to keep their skin lovely. U. S. P. Glycerine is one of the ingredients providing the emollient action; it also acts as a moisture-retainer in this popular protective lotion for chapped hands, scratchy legs, and dry skin.

In skin lotions, beauty creams, and many other cosmetic preparations, the essential action is one of soothing and smoothing the skin. Dorothy Gray and many other leading manufacturers of cosmetics and toiletries choose Glycerine because it not only provides this important emollient action but can perform as a humectant as well.

Even more important, U. S. P. Glycerine permits the formulation of products which are physiologically safe. Glycerine has many other properties which emphasize its value in other toilet articles. It acts as a plasticizer, vehicle, bodying agent, solvent, penetrant, or anti-freeze. That's why no substitute has been found which brings all of Glycerine's qualities to the production of toilet goods.

A handy, 16-page booklet, "Why Glycerine for Drugs and Cosmetics?" reviews Glycerine's unique range of properties and applications. For your copy write Glycerine Producers' Association, 295 Madison Avenue, New York 17, N. Y.

Nothing takes the place of Glycerine

facts you may want to know about—

Potassium Bicarbonate

Foremost producer

Mallinckrodt began the manufacture of potassium bicarbonate in 1940. Prior to that time there had been no significant domestic production and pharmaceutical manufacturers were dependent on imports for their supplies of this important alkali. Mallinckrodt is now believed to be the major manufacturer of medicinal grades.

Capacity to supply national needs

Modern facilities, processing methods utilizing domestic raw materials, and adequate capacity have enabled Mallinckrodt to supply the nation's entire requirements for fine chemical grades of potassium bicarbonate.

Outstanding purity

In a line of fine chemicals for the pharmaceutical industry where exceptional purity is the rule, Mallinckrodt potassium bicarbonate is outstanding in chemical purity, uniformity and freedom from foreign matter.

Forms Available

Mallinckrodt potassium bicarbonate fully meets the requirements of the U.S.P. and is supplied in two forms:

Potassium Bicarbonate USP XIV Granulated (95% through 30 mesh sieve, 80% on 80 mesh sieve; always free-flowing)

Potassium Bicarbonate USP XIV Powdered (100% through 60 mesh sieve, not less than 95% through 80 mesh sieve)

Special forms can be produced to meet unusual requirements of quantity buyers. Mallinckrodt Potassium Bicarbonate USP XIV is supplied in 250 lb. leverpak drums, 100 lb. and 25 lb. fibre drums as well as subdivisional size containers.

MALLINCKRODT CHEMICAL WORKS

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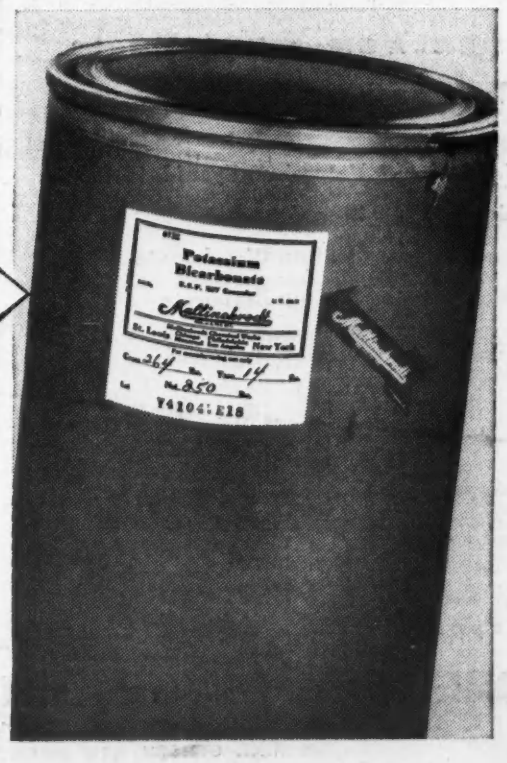
Mallinckrodt®

MANUFACTURERS OF FINE CHEMICALS
FOR THE PHARMACEUTICAL INDUSTRY •
SINCE 1867 •



Fishliver Oil—Gum, Dammar, Singapore

Fishliver oil (see Oil, fishliver).
Fishmeal ground, domestic, 60% protein, bulk, Balto area..ton.135.00 - —
Fishscrap, dried 60% protein, bulk, Balto area..ton.129.00 - —
Fluorspar, dom., acid grade, bulk, c.l., mine..ton.60.00 - —
ceramic grade, 93-96% CaF_2, grd., bulk, mine, c.l..ton.57.50 - —
85-92% CaF_2, grd., bulk, mine, ton.47.00 - —
metallurgical grade, briquetts, pellets, 65%, CaF_2, bulk, works ton.34.00 - —
lump, 59-65% effective CaF_2, bulk, mine, c.l..ton.40.00 - —
washed gravel, 59-60% effective CaF_2, bulk, mine, c.l..ton.40.00 - —
60-65% effective CaF_2, bulk, mine..ton.40.00 - —
65-70% effective CaF_2, bulk, mine, c.l..ton.42.00 - —
70% or better, effective CaF_2, bulk, mine, c.l..ton.43.00 - —
imported, bulk, ex dock, New York..ton.37.00 Nom.
Formaldehyde, NF (inhibited), dms., c.l., E., works..lb. .066 - —
l.c.l., E. works..lb. .071 - —
tanks, E. works..lb. .0420- —
methanol-free (uninhibited), tanks, works lb. .0395- —

Tankcar and tankwagon prices above are on a delivered basis in New England Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard as well as W of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.

Fleaseed (see Psyllium seed).
Fringetree bark, bls..lb. .60 - .61
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga., mines..ton.38.50 - —
Illinois mines..ton.37.20 - —
spent, bulk, Bayonne..ton. 2.00 - 4.00
imported, bgs., c.l..ton.30.00 -40.00
Furfural, tech., dms., c.l., works.lb. .13 - —
l.c.l., works..lb. .15 - —
tanks, works..lb. .108 - —
Fusel oil, refined, dms., c.l., dlvd lb. .16¾- .17¼
l.c.l., dlvd..lb. .17½- .18
tanks, dlvd..lb. .15 - .15½
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½- —
No. 2, bbls., l.c.l..lb. .45½- —
No. 3, bbls., l.c.l..lb. .43½- —
liquid, No. 1, bbls., l.c.l..lb. .22½- —
No. 2, bbls., l.c.l..lb. .21½- —
No. 3, bbls., l.c.l..lb. .19 - —
solid, No. 1, bxs., l.c.l..lb. .45 - —

G

G salt, bbls., frt. alld..lb. .73 - —
Galangal root, bls..lb. .18 - .25
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane tanks gal. .1075- —
N. Y. Harbor, 86 octane, tanks gal. .1265- .130
Group 3, 82 octane, tanks gal. .10375- .1062
Gulf coast, 82 octane, tanks gal. .1125- .1150
Penn., western U. S. motor, 86 octane, tanks gal. .1275- .129
natural, group 3, 26-70 octane, tanks gal. .06875- —
Gelatin, edible pure, (pork skin), 75 Bloom test, c.l..lb. .57 - —
150 Bloom test, c.l..lb. .63 - .66
200 Bloom test, c.l..lb. .71 - .72
225 Bloom test, c.l..lb. .74 - .75
275 Bloom test, c.l..lb. .82 - .85
silver label, imp., cs..lb. 1.25 - —
Gelsemium root, bls..lb. .26 - .27
Gentian root, bls..lb. .17 - .18
grd., bbls., bxs..lb. .22 - .23
powd., bbls., bxs..lb. .23 - .24
Geraniol, extra, cns., dms..lb. 1.55 - 1.65
standard, cns., dms..lb. .73 - 1.50
Geranyl acetate, cns..lb. 1.55 - 1.80
Ginger, oleoresin, NF, from African roots, bots lb. 4.00 - 7.75
from Jamaican root, bls..lb. 5.00 -12.75
Root, African, bls..lb. .13½- .14
Cochin, unbleached, bgs..lb. .18½- —
Jamaica No. 1, bgs..lb. .24 - —
No. 2, bgs..lb. .17 - .17½
No. 3, bgs..lb. .15½- —
Rhattoon, bgs..lb. .15 - —
Nigerian, split, bgs..lb. .10½- .11
Ginseng root, cs..lb.16.50 -17.00
Glauber's salt, anhyd (see Sodium sulphate).
cryst., bgs., c.l., works, frt alld. ton.45.00 - —
l.c.l., works..ton.50.00 - —
Glue, bone, extracted 66 jellygrams, bgs., c.l., dlvd lb. .24½- —
86 jellygrams, same basis lb. .25 - —
104 jellygrams, same basis lb. .25½- —
131 jellygrams, same basis lb. .26 - —
164 jellygrams, same basis lb. .26½- —
191 jellygrams, same basis lb. .27 - —
222 jellygrams, same basis lb. .28 - —
Glue, bone, packers' 40 jellygrams, bgs., c.l., dlvd..lb. .21½- —
65 jellygrams, same basis lb. .22½- —
86 jellygrams, same basis lb. .23 - —
115 jellygrams, same basis lb. .24 - —
135 jellygrams, same basis lb. .25 - —
164 jellygrams, same basis lb. .26 - —
185 jellygrams, same basis lb. .27 - —
renderers' 110 jellygrams, bgs., c.l., dlvd lb. .22 - —
150 jellygrams, same basis lb. .23 - —
190 jellygrams, same basis lb. .24 - —
Bone glue, l.c.l. prices 1c. higher.
Hide, 70-94 jellygrams, bgs., c.l., dlvd..lb. .26 - —
95-121, bgs., c.l., dlvd..lb. .27½- .28
122-149, bgs., c.l., dlvd..lb. .29 - .29½
150-177, bgs., c.l., dlvd..lb. .30 - .31
178-206, bgs., c.l., dlvd..lb. .31 - .32
207-236, bgs., c.l., dlvd..lb. .32 - .33
237-266, bgs., c.l., dlvd..lb. .33 - .34
267-296, bgs., c.l., dlvd..lb. .34 - .35
299-330, bgs., c.l., dlvd..lb. .35 - .36
331-362, bgs., c.l., dlvd..lb. .36 - .37
363-394, bgs., c.l., dlvd..lb. .37 - .38
395-427, bgs., c.l., dlvd..lb. .38 - .39
428-460, bgs., c.l., dlvd..lb. .40 - .41
461-494, bgs., c.l., dlvd..lb. .41 - .43
495-529, bgs., c.l., dlvd..lb. .42 - .45
Hide glue l.c.l. prices 1c. higher than c.l.
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd..lb. .34 - —
soaplye, 80%, tanks, dlvd..lb. .31 - —
dynamite, dms., c.l., dlvd..lb. .43¾- —
l.c.l., dlvd..lb. .44¼- —
tanks, dlvd..lb. .43¼- —
high gravity, dms., c.l., dlvd..lb. .44 - —
l.c.l., dlvd..lb. .44½- —
tanks, dlvd..lb. .43½- —
refined BP, 98%, dms., c.l., dlvd..lb. .45⅞- —
l.c.l., dlvd..lb. .46⅜- —
tanks, dlvd..lb. .45⅜- —
USP, CP, 95%, dms., c.l., dlvd..lb. .44½- —
l.c.l., dlvd..lb. .45 - —
tanks, dlvd..lb. .44 - —
yellow, distilled, dms., c.l., dlvd..lb. .43⅞- —
l.c.l., dlvd..lb. .44⅜- —
tanks, dlvd..lb. .43⅜- —
Glycine, USP (see Acid aminoacetic)
Glyoxal, 30% dms., c.l. works lb. .18½- —
l.c.l., works..lb. .19 - —
tanks, works..lb. .18 - —
Gold chloride, acid-brown, bots..oz.22.50 -23.00
acid-yellow, bots..oz.20.00 -20.50
Golden seal root, NF, tested, bls., lb. 3.00 - 3.05
powd., bxs..lb. 3.25 - 3.30
Grains of paradise, bgs..lb. .34 Nom.
Graphite, amorph. powd., bgs., fib. dms., ex whse..lb. .05 - .09½
crystalline, 88-90% powd., bgs., fib. dms., ex whse..lb. .19 - .21½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex. whse lb. .29 - .31
No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, brown, dlvd..lb. .03⅞- —
house..lb. .04 - —
white, choice..lb. .05¼- —
yellow..lb. .04⅛- —
Green, brilliant, thioflavin, toner, molybdated, PMA, bgs., works lb. 4.50 - —
tungstated, PTMA, bgs., works lb. 6.30 - —
Chrome, CP, dark, light, medium, blue content 5 to 30%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .27 - —
31-50%, bbls., same basis, lb. .37 - .38
50-60%, bbls., same basis, lb. .40 - —
reduced color, 25%, bbls., same basis lb. .17 - .17¼

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., dms., c.l., frt. alld. lb. .93 - 1.20
pure, c.l., bgs., frt. alld..lb. .37½- .44
Dyes (see Dyes, coaltar).
Emerald, malachite toner, tungstic, PTMA, bbls., works lb. 4.50 - 5.50
Paris (see Paris green).
Phthalocyanin toner, bbls., works, lb. 4.40 - —
resinated, bbls..lb. 4.00 - —
water dispersable, bbls..lb. 1.71 - —
Pigment B, kegs..lb. 1.35 - —
Grindelia robusta herb, bls..lb. .38 - .40
Guaiac resin, NF, cs..lb. .55 - .60
ordinary, cs..lb. .49 - .51
Guaiacol, cryst., tins..lb. 1.90 - —
liquid, NF, bots., cbys..lb. 2.15 - 2.20
Carbonate, dms..lb. 3.15 - 3.20
Guarana, powd., cs..lb. 2.00 - —
Gum accroides (see Gum yacca).
Aloe (see A.)
Ammoniac tears, cs..lb. .35 - .65
Arabic, amber sorts, bgs..lb. .13½- .18
powdered, USP, bbls..lb. .19 - .21
Asafetida (see A.)
Asphaltum (see A)
Benzoin, Sumatra, cs..lb. .38 - .40
Camphor (see C).
Cellulose, bgs., 23,000 lbs. or more, works, frt. alld..lb. .60 - —
smaller lots same basis..lb. .62 - —
Copal, Congo, No. 1, bgs..lb. .21 - .23
No. 2, bgs..lb. .19 - .20
No. 3, bgs..lb. .17½- .18¼
Manila, loba B, bgs..lb. No prices.
C, bgs..lb. .27 - .32
CBB, bgs..lb. .22 - .23
CNF, bgs..lb. No prices.
DBB, bgs..lb. .14 - .18
DK, bgs..lb. .13 - .15
dust, bgs..lb. .11 - .12¾
soft, MA, bgs..lb. .13 - .16
WS, bgs..lb. .27 - .35
Philippine, pale, chips, bgs..lb. .18 - .25
nubs, bgs..lb. .27 - .32
seeds, bgs..lb. .15 - .21
sorts, bgs..lb. .18 - .22
Pontianak, chips, bgs..lb. .22 - .26
nubs, bgs..lb. .36 - .40
Dammar, Batavia, A/E bgs..lb. .24 - .26
dust, bgs..lb. .14 - .16
E., bgs..lb. .16 - .18
East India, batu, bold, bgs lb. .12 - .14
nubs and chips, bgs..lb. .08 - .10
black, bold bgs..lb. .14½- .16
unscraped bgs..lb. .12 - .13
nubs and chips, bgs..lb. .11 - .13
pale, chips, bgs..lb. .13 - .14
nubs, bgs..lb. .19 - .20
Singapore, No. 1, bgs..lb. .35 - .38
No. 2, bgs..lb. .29 - .32
No. 3, bgs..lb. .16 - .17
dust, bgs..lb. .14 - .16
seeds, bgs..lb. .16 - .18

These Stock Points Are Your Assurance of Quality Materials

● ● ● *When You Want Them*
● ● ● ● *Where You Want Them*

Sodium Cyanide 96-98%	Potassium Cyanide 97-99%
Copper Cyanide 97-99%	Zinc Cyanide
Trichlorethylene	Sodium Bicarbonate
Ammonium Bicarbonate	Sodium Perborate
Ammonium Carbonate	Bleaching Powder

Urea

This is only a partial listing of the items we offer. Write for complete product listing.

Supplying **ICI** *Heavy Chemicals to American Industry*

CHEMICAL MANUFACTURING CO., INC.

444 MADISON AVENUE, NEW YORK 22, N. Y.
369 PINE STREET, SAN FRANCISCO 4, CALIF.

Gum, ester, gum-rosin type, dms., c.l., dlvd. dl., ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W Va lb. .34 - .14½
wood-rosin type, dms., c.l., dlvd., ill., ind., etc. lb. .14 - —
Euphorbium, cs. lb. .55 - .60
Galbanum, cs lb. .75 - .80
Gamboge, pipe, cs. lb. .90 - 1.00
powd., bbls lb. .90 - 1.20
Ghatti, No. 2, bgs. lb. .35 - .37
No. 3, bgs lb. .31 - .33
Gualac (see Guaiac resin)
Karaya, NF, powd., No. 1, bbls. lb. .30 - .35
No 2, bbls. lb. .22 - .25
No 3, bbls. lb. .19 - .22
Kauri, bgs. lb. .30 - .50
Kino, cs lb. 1.15 - 2.40
Locust bean, powd., bgs. lb. .30 - .32
Mastic, cs lb. 2.00 - 2.10
Myrrh, cs lb. .30 - .35
Olibanum siftings, cs. lb. .16 - .18
tears, cs lb. .20 - .30
Opium (see O)
Red (see Gum yacca).
Rosin (see R).
Sandarac, cks. lb. 3.50 - 4.00
Scammony, cs. lb. 1.50 - 1.55
Sterculia (see Gum karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs lb. 2.85 - 2.90
No. 2, cs lb. 2.45 - 2.50
No 3, cs lb. 1.60 - 1.70
powdered, USP, bbls lb. 1.25 - 1.35
Yacca, bgs lb. .06 - —
Gypsum, anhydrous filler, paper bgs., c.l., Medicine Lodge Kan ton 19.00 - —
Plaster of paris, paper bgs., c.l., Baltimore, frt. equald. ton 18.30 - —
Harlem river N Y., frt. equald ton 17.30 - —
Medicine Lodge, Kan., frt. equald ton 16.00 - —
Stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Fort Dodge Iowa, frt equald. ton. 8.00 - —
Gypsum, Ohio, frt. equald ton. 8.00 - —
Grand Rapids, Mich., frt. equald. ton. 8.00 - —
New Brighton N Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —
Terra alba dom., paper bgs., c.l., Baltimore ton 14.40 - —
Harlem River, N. Y. ton 14.40 - —
Imported, English, paper bgs., ex dock ton 48.00 - —
ex warehouse ton 53.00 - 56.00

H

Hawthorn berries, bgs. lb. .30 - .32
Heliotropine, cryst., cns. lb. 3.10 - 3.45
Helonias root, bls. lb. 1.65 - 1.70
Hellebore root dom., green, bls lb. .60 - .65
imp., black, whole, bls. lb. .25 - .30
ground, bxs lb. .30 - .35
powder, bxs lb. .32 - .37
white, whole, bls lb. .25 - .30
powder, bxs. lb. .35 - .45
Hematine extract, cryst. No. 1, bbls., l.c.l. lb. .47 - —
No. 2, bbls., l.c.l. lb. .43 - —
No. 3, bbls., l.c.l. lb. .41 - —
No. 4, bbls., l.c.l. lb. .39 - —
No 5, bbls., l.c.l. lb. .37 - —
paste, No 1, bbls., l.c.l. lb. .20½ - —
Henbane leaves, bls lb. .35 - .40
Henna-leaves, bls lb. .23 - .25
powd., bbls., bgs lb. .22 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .18 - —
group 3, tanks gal. .1375 - .1405
Hesperidin methylchalcone, bots., works lb. 50.00 - —
Hexachlorophene, dms. lb. 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb lots or more, Perth Amboy or N. Y. C. lb. .232 - —
less than 1,000-lb. lots, same basis lb. .242 - —
fib dms, 1,000-lb lots or more, same basis lb. .239 - —
less than 1,000-lb. lots, same basis. lb. .249 - —
USP, dms, 500 lbs or more, same basis lb. .40½ - —
smaller lots, same basis lb. .41½ - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, Bayonne, N. J., tanks gal. .18 - —
Group 3, tanks gal. .145 - .148
Hexanol, normal, dms., c.l., works, lb. .34½ - —
t.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Hexyl cinnamic aldehyde, dms lb. 2.25 - 7.50
Salicylate, dms lb. 1.75 - —
Hexyleneglycol, dms., c.l., dlvd lb. .15¾ - —
l.c.l., dlvd lb. .16½ - —
tanks, dlvd lb. .14 - —
Hexylmethacrylate, normal, dms., less than truckload, works, lb. .71 - —
Hexylresorcinol, USP, dms., dlvd., 50-lb. lots or more lb 15.00 - 16.00
smaller lots, dlvd lb. 16.00 - 17.00
Histamine diphosphate, USP., bots. kilo. 450.00 - —
Histidine hydrochloride, laevo, NF, fib. dms., 50-kilo lots, works kilo. 80.00 - 85.00
1-5 kilo lots works kilo. 90.00 - 95.00
Homatropine hydrobromide, USP, bots oz. 13.75 - 14.00
Hydrochloride, bots oz. 20.00 - 22.00
Methylbromide, USP, bots oz. 13.00 - 14.50
Hoofmeal, 17 18% ammonia, bulk, c.l., Chicago unit-ton. 6.75 - —
Hops, NF, bls lb. .30 - .35
Horehound herb, bls lb. .14 - .15
Hydrangea root, bls lb. .22 - .25
Hydrastine, bots oz. 29.50 - 31.00
Hydrochloride, NF, bots oz. 29.50 - 31.00
Sulphate, bots oz. 35.00 - 37.00
Hydrastinine 90-grain bots. bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Niagara Falls lb. 4.50 - 5.25
Hydrate, 100% ret. dms., Niagara Falls lb. 3.00 - 3.50
85% same basis lb. 2.55 - 3.00
Hydroturamide, dms., fib. etns., works lb. .30 - .40
Hydrogen chloride anhyd., 50-lb. cyl., works lb. .55 - .60
Peroxide, USP bbls, dlvd lb. .03¾ - .05
35%, chys., same basis lb. .217 - .242
dms., c.l. same basis lb. .21 - —
l.c.l., same basis lb. .215 - .24
tanks lb. .203 - —
Hydrogen peroxide prices on W. Coast 2c per lb. higher.

Hydroquinone, photogrd., bbls., dms. lb. .93 - 1.00
tech., dms., c.l., frt. equald lb. .77 - —
l.c.l., frt. equald lb. .78 - —
Hydroxycitronellal, cns lb. 5.35 - 5.90
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots oz. 15.75 - 16.00
Hydrobromide, bots. oz. 16.50 - 16.80
Sulphate, bots oz. 12.00 - 13.50
Hypernic extract, cryst., No. 1, bbls., l.c.l. lb. .52 - —
liquid, No 1, bbls., l.c.l. lb. .35 - —
No. 2, bbls., l.c.l. lb. .27 - —
Hyssop herb, bgs lb. .35 - .36
Leaves, bgs lb. .50 - .51

I

Iceland moss, bgs lb. .30 - .35
Ichthammol, NF, dms lb. .60 - .75
Indian red (see Red Indian)
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).
Indol, CP bots lb 17.00 - 21.00
Inositol, dms., dlvd lb 5.60 - —
tins, dlvd lb 5.70 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb 1.84 - 2.04
resublimed, USP, bots., jars lb 2.55 - 2.78
Iodochlorohydroxyquin USP, dms. lb 6.90 - —
Iodoform NF dms, kgs lb 4.70 - 4.85
Ionone alpha, cns. lb 3.75 - 6.15
Beta, cns. lb 4.30 - 11.25
Methyl, dms., cns lb 3.80 - 6.40
Ipecac root, bgs lb 5.25 - 5.50
powd., bbls., bxs lb 6.00 - 6.25
Irish moss bleached prime bls lb .25 - .30
Iron acetate liquor, 28° bbls., c.l., works lb .09 - —
t.c.l., works lb .09¾ - —
solut., USP IX, chys lb .16 - —
dms. lb .17 - —
Iron Cacodylate, NF, bots lb. 13.00 - 14.00
Chloride (ferric), anhydr., tech., dms., c.l., works, 100 lbs. 6.25 - —
t.c.l., works 100 lbs. 7.50 - —
cryst., indust., bbls., c.l., works 100 lbs. 5.25 - 6.25
t.c.l., works 100 lbs. 6.75 - 6.75
USP, dms., works ln. .07½ - .09
solut., 42° Be., basis 100%, chys., c.l., works 100 lbs. 7.25 - 8.25
t.c.l., works 100 lbs. 7.75 - 10.75
tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms lb. .77 - .80
Gluconate, NF (see Ferrous gluconate, Ne).
Glycerophosphate, NF, powd lb. 4.45 - 4.55
Hypophosphite, NF, dms lb 2.80 - —
Iodide bgs. lb 3.68 - 3.73
Naphthenate liq., 6% Fe., dms., frt. alld lb. .25¼ - —
Oxalate, gran., dms lb. .85 - .87
Phosphate, soluble, NF, gran., pearls, cs lb. .64 - .66
Pyrophosphate, soluble, NF VII, gran. pearls dms lb. .78 - .81
Reduced, NF, kgs lb. .90 - .95
Resinate, 6.75% Fe, dms., frt. alld, lb. .26¼ - —
Stearate, dms., c.l lb. .37 - —
ton lots lb. .38 - —
less ton lots lb. .39 - —
Sulphate, ferric, partially hydrated, bgs., c.l., works ton 30.00 - —
t.c.l., works ton 31.00 - —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms lb. .09½ - .10
Iron by hydrogen (see Iron, Reduced).

Iron-ammonium citrate, brown, N.F., gran., dms lb. .55 - .60
green USP XII, gran., dms lb. .56 - .59
Oxalate, fine gran., dms lb. .25½ - .28½
Iron-potassium oxalate, fine gran., dms lb. .30½ - .33½
Iron-sodium, oxalate, fine gran., dms lb. .25½ - .28½
Isoborneol, cns lb 1.25 - 1.70
Isobornyl acetate, cns lb. .60 - .70
Formate, dms. lb. .80 - —
Propionate, dms lb 1.15 - 1.50
Isobutyl acetate, perfume grade, cns. lb. .75 - .97
solvent grade, dms., c.l., dlvd E. of Rockies lb. .13 - —
t.c.l., same basis lb. .13¾ - —
tanks, same basis lb. .11¼ - —
Methacrylate, dms, works lb. .60 - —
Isobutyraldehyde, dms., dlvd lb. .50 - —
Isoeugenol, cns lb. 3.65 - 3.70
Iseniazid, bulk, powder, 25-kilo lots or more kilo. 34.00 - 35.00
smaller lots kilo. 35.00 - 36.00
Isonicotinic acid hydrazide (see Isoniazid).
Isopentane, dms., works lb. .43 - .55
Isophorone, dms., c.l., works lb. .24¼ - —
t.c.l., works lb. .24¾ - —
tanks, works lb. .22½ - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., dlvd, lb. .11¾ - —
t.c.l., same basis lb. .12½ - —
tanks, same basis lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene)
Ether (see Ether, isopropyl).
Isopropylamine (see Mono, Di, or Tri-)

Gum, Ester—Isopropylamine

DOW

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most new products can be improved by adding a preservative.

The Dow Chemical Company
Department DP-45
Midland, Michigan

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Adding a DOWICIDE® PRESERVATIVE to latex paint prevents damaging bacteria growth during shelf-life—prevents mildew formation on painted surfaces. This is just one of many instances in which the addition of a DOWICIDE PRESERVATIVE to a new product insured its sales success. The new family of latex paints owes much of its acceptance to the positive microbial control action of DOWICIDE PRESERVATIVES.

Dow manufactures fourteen different DOWICIDE PRESERVATIVES. They are being used in a variety of industries to stop waste resulting from destructive bacteria and mold growth. Whether you are developing a new product or changing an old one, DOWICIDE PRESERVATIVES may well have a place in your plans. Be certain to send today for detailed information on DOWICIDE PRESERVATIVES. THE DOW CHEMICAL COMPANY, Midland Michigan.

you can depend on DOW CHEMICALS DOW

Isopropylphenol—Lobeline Sulphate

Isopropylphenol, dms., c.l., works	lb.	.46	—
l.c.l., works	lb.	.47	—
tanks, works	lb.	.45	—
Isoquinoline, dms., works	lb.	.65	1.25

J

Jaborandi leaves, bls	lb.	.17	.18
Jalap root, NF, bls	lb.	.45	.55
powd., bbls., bxs	lb.	.50	.60
Juniper berries, bgs	lb.	.13	.15
Tar, NF, dms	lb.	.42	.50

K

Kamala, powd., cns	lb.	.60	.65
Kava Kava root, bls	lb.	.30	.32
Kaolin (see also Clay, China), NF, powd., fib. dms	lb.	.08	.16½
colloidal, fib. dms	lb.	.15	.15½
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks, gal.		.0925-	—
California, 40-43 s.g., w.w., tanks, gal.		.120	.130
Gulf ports, 41-43 s.g., w.w., tanks, gal.		.0970-	.1015
N. Y. Harbor, 43-44 s.g., w.w., tanks gal.		.1075-	—
Okla.-Tex., 41-43 s.g., w.w., tanks gal.		.0875-	.095
Penn, Western, 45 s.g., w.w., tanks gal.		.1125-	.1195
Kola nuts, bgs	lb.	.08	.09
Kyanite, imp., 50% alumina, low iron content, 10 mesh, bulk, whse	ton.	95.00	-100.00
calcined, grain, 10-mesh, whse.	ton.	95.00	-105.00

L

Lady's slipper root, bls	lb.	1.70	1.75
Lanolin, cosmetic, dms., works	lb.	.35½-	.40½
USP, anhydrous, dms., works	lb.	.33½-	—
hydrous, dms., works	lb.	.32	—
Lard, cash, trcs., Chicago	lb.	.0955-	—
Larkspur seed, bgs	lb.	.20	.25
Laurel berries, bgs	lb.	.25	.26
Leaves, Greek, bls	lb.	.09½-	.10
Portuguese, bls	lb.	.10	-.10½
Turkish, bls	lb.	.11½-	.12
Yugoslavian, bls	lb.	.09	.09½
Lauryl chloride, dms., works, frt. equald	lb.	.72	—
Methacrylate, normal, dms., less than truckload, works	lb.	1.00	—
Lavender flowers, medium, bls	lb.	.55	.60
ordinary, bls	lb.	.16	.20
select, bls	lb.	.90	—
Lead acetate, white crystals, bbls.	lb.	.22	—
gran., bbls	lb.	.23	—
powd., bbls	lb.	.23	—
NF cryst., gran., powd	lb.	.31	.32
Arsenate, dealers, acid powder, frt. alld. on 96 lbs. or 3-lb. bgs. or larger, c.l., over	lb.	.27½-	—
l.c.l., frt. alld	lb.	.28½-	—
1-lb bgs., c.l	lb.	.42½-	—
l.c.l.	lb.	.43½-	—
Lead, blue, basic sulphate, bbls., c.l., ship't point, frt. alld	lb.	.15½-	—
l.c.l., works	lb.	.16½-	—
Carbonate (see Lead, white).			
Chloride, dms	lb.	.45	—
Iodide, NF, V, jars	lb.	3.82	—
Linoleate, fused, 26.5% dms	lb.	.32½-	—
Metal, pigs, prime, N. Y.	lb.	.1400-	—
St. Louis	lb.	.1380-	—
Metallic paste, dms., 20,000-40,000 lbs., works	lb.	.34¼-	—
10,000-20,000 lbs., same basis.	lb.	.34¾-	—
2,000-10,000 lbs., same basis.	lb.	.35¼-	—
200-2,000 lbs., same basis. Prices ex whse. Jersey City, N. J., 4½c. per lb. higher.	lb.	.35¾-	—
Monosilicate, bgs., c.l	lb.	.1510-	—
l.c.l.	lb.	.1610-	—
Naphthenate, liquid, 16% Pb, dms., dlvd	lb.	.17½-	—
24% Pb, dms., dlvd	lb.	.23¾-	—
solid, 37% Pb, dms., dlvd	lb.	.31	—
Nitrate, bbls.	lb.	.22¼-	—
Oleate, fused, bbls	lb.	.29¾-	—
Orthosilicate gel, 50% PbO, dms., works	lb.	.32¾-	—
60% PbO dms. works	lb.	.31¾-	—
Peroxide, powd., tech., bbls	lb.	.45	.47
Phthalate, dibasic, dms., works.	lb.	.41	—
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld.	lb.	.16¾-	—
l.c.l., same basis	lb.	.17¾-	—
97% Pb_3O_4, bbls., c.l., same basis	lb.	.17	—
l.c.l., same basis	lb.	.18	—
98% Pb_3O_4, bbls., c.l., same basis	lb.	.17¼-	—
l.c.l., same basis	lb.	.18¼-	—
Lead resinate, precip., dms., dlvd	lb.	.28½-	—
Salicylate, normal, dms., works.	lb.	.46	—
Stearate, dibasic, ton lots	lb.	.54	—
precip., bbls., c.l.	lb.	.50	—
ton lots	lb.	.40	—
less ton lots	lb.	.41	—
Sulphate (see Lead blue; Lead white; basic sulphate).			
Tallate, liquid, 16% Pb dms	lb.	.15¼-	—
24% Pb, dms	lb.	.20½-	—
White, basic, carbonate, bgs., c.l., ship't point, frt. alld.	lb.	.17	—
l.c.l., same basis	lb.	.18	—
basic silicate, bgs., c.l., ship't point, frt. alld.	lb.	.15¾-	.19
l.c.l., same basis	lb.	.16¾-	.20
basic sulphate, bgs., c.l., ship't point, frt. alld.	lb.	.15½-	—
l.c.l., same basis	lb.	.16½-	—
Lecithin, edible, tech., bleached dms., non-ret., c.l., works.	lb.	.15½-	.16
l.c.l., same basis	lb.	.16½-	.19
unbleached, c.l., same basis	lb.	.14½-	.15
l.c.l., same basis	lb.	.16	.18
Lemon peel, bls	lb.	.20	.26
Leucine dextro-laevo, dms., works.	lb.	12.25	-15.00
Licorice extract, mass, cns	lb.	.21¼-	.40
powd., bbls	lb.	.31¾-	.50
Root, bls	lb.	.05½-	.10
5-lb. bundles, cs	lb.	.50	.55
powd., bbls	lb.	.13	.13¼
Lignin extract, tanning grade, bgs., c.l., works	lb.	.05¼-	.06½
Lime, agricultural, bulk, works	ton.	14.50	—
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.	ton.	12.50	—
Annville, Pa	ton.	11.50	—
Austin, Texas	ton.	9.50	—
Bellefonte, Pa	ton.	11.50	—
Buffalo, N. Y	ton.	14.00	—
Cedar Hollow, Pa	ton.	11.50	—
Duluth, Minn	ton.	12.50	—
El Paso, Texas	ton.	14.00	—
Farnams, Mass	ton.	14.00	—
Gibsonburg, Ohio	ton.	12.50	—
Hannibal, Mo	ton.	10.00	—
Keystone, Ala	ton.	10.25	—
Kimballton, Va	ton.	10.25	—
Knoxville, Tenn	ton.	10.50	—
Lee, Mass	ton.	12.50	—
Lewisburg, Ohio	ton.	10.00	—
Limedale, Ark	ton.	10.00	—
Los Angeles, Cal	ton.	25.10	-26.84
Marble Cliff, Ohio	ton.	10.00	—
Martinsburg, W. Va	ton.	11.00	—
Mosher, Mo	ton.	10.25	—
Nelson, Ariz	ton.	14.50	-23.65
Quincy, Ill	ton.	10.00	-13.00
Reddick, Fla	ton.	13.50	—
Scotrock, Ala	ton.	10.25	—
Springfield, Mo	ton.	12.25	—
Winooski, Vt	ton.	15.50	—
Woodville, Ohio	ton.	11.50	—
York, Pa	ton.	15.50	—
Hydrated, paper bags, Adams, Mass	ton.	15.50	—
Annville, Pa	ton.	14.50	—
Austin, Texas	ton.	13.00	—
Bellefonte, Pa	ton.	14.50	—
Buffalo, N. Y	ton.	16.00	—
Cedar Hollow, Pa	ton.	14.50	—
Chicago, Ill	ton.	15.00	—
Duluth, Minn	ton.	14.00	—
El Paso, Texas	ton.	17.50	—
Engle, W. Va	ton.	14.50	—
Farnams, Mass	ton.	14.00	—
Gibsonburg, Ohio	ton.	16.50	—
Hannibal, Mo	ton.	12.00	—
Keystone, Ala	ton.	13.50	—
Kimballton, Va	ton.	13.50	—
Knoxville, Tenn	ton.	13.00	—
Lee, Mass	ton.	15.50	—
Lewisburg, Ohio	ton.	14.00	—
Limedale, Ark	ton.	12.00	—
Marble Cliff, Ohio	ton.	13.50	—
McNeil, Tex	ton.	13.00	—
Meneminee, Mich	ton.	14.00	—
Mosher, Mo	ton.	12.50	—
North Tazewell, Va	ton.	12.75	—
Quincy, Ill	ton.	10.00	-12.00
Reddick, Fla	ton.	16.00	—
Scotrock, Ala	ton.	13.50	—
Springfield, Mo	ton.	12.25	—
Winooski, Vt	ton.	15.50	—
Woodville, Ohio	ton.	14.50	—
York, Pa	ton.	14.50	—
Spray, paper bgs., Adams, Mass.	ton.	17.00	—
Annville, Pa	ton.	17.00	—
Austin, Texas	ton.	13.00	—
Bellefonte, Pa	ton.	17.50	—
Carey, Ohio	ton.	11.00	—
Duluth, Minn	ton.	15.00	—
Engle, W. Va	ton.	14.50	—
Farnams, Mass	ton.	14.00	—
Gibsonburg, Ohio	ton.	16.50	—
Keystone, Ala	ton.	13.50	—
Kimballton, Va	ton.	13.50	—
Lee, Mass	ton.	17.00	—
Lewisburg, Ohio	ton.	16.00	—
Marble Cliff, Ohio	ton.	16.00	—
McNeil, Tex	ton.	16.00	—
Meneminee, Mich	ton.	14.00	—
Mosher, Mo	ton.	12.50	—
North Tazewell, Va	ton.	12.75	—
Reddick, Fla	ton.	16.00	—
Rockland, Me	ton.	10.00	—
Springfield, Mo	ton.	12.25	—
Scotrock, Ala	ton.	13.50	—
Winooski, Vt	ton.	17.00	—
Woodville, Ohio	ton.	16.50	—
York, Pa	ton.	15.50	—
Lime salts (see Calcium).			
Lime-ammonia nitrogen, 20.5% N (see Ammonium nitrate with dolomite).			
Limestone, grd., bgs., works	ton.	3.50	4.00
Linalool, ex bois de rose, dms	lb.	5.60	6.55
ex lignaloe wood, dms	lb.	6.75	7.10
Linalyl acetate, ex bois de rose, 90-92%, dms	lb.	6.30	6.55
96-98%, dms	lb.	6.40	7.10
ex petitgrain, bots	lb.	4.60	5.05
Lindane, 25% formulation, cns., works	lb.	2.70	—
dms., works	lb.	2.60	—
99%, tech., dms., works	lb.	5.75	7.00
Linden flowers with leaves, bls	lb.	.34	.35
without leaves, bls	lb.	.40	.41
Linseed meal, expeller, 36% bulk, Midwest mills	ton.	82.00	—
extracted, 36%, same basis	ton.	82.00	—
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld	lb.	.15¾-	—
l.c.l., same basis	lb.	.16¾-	—
Lithium benzoate, dms	lb.	1.65	1.67
Bromide, NF, bbls., works, frt. equald	lb.	2.10	2.75
Carbonate, tech., dms	lb.	.80	1.10
Chloride, cryst., dms	lb.	.95	1.25
Citrate, NF, bbls., dms., kgs	lb.	1.05	1.40
Fluoride, bbls	lb.	1.85	2.00
Hydride, powd., dms., works	lb.	12.00	-14.00
Hydroxide, monohydrate, dms	lb.	.91	1.05
Salicylate, dms	lb.	1.60	1.70
Lithopone, ordinary, bgs., c.l., dlvd.	lb.	.07½-	—
l.c.l., dlvd.	lb.	.08¼-	.08½
titanated (high-strength), bgs., c.l., dlvd	lb.	.10	—
l.c.l., dlvd	lb.	.11	—
Lithopone prices, Pacific Coast, 1c. per lb. higher.			
Liverwort leaves, bls	lb.	.65	.66
Lobelia herb, bls	lb.	.42	.43
Leaves, NF	lb.	.75	.76
Lobeline sulphate, bots., works	oz.	33.00	-34.00

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Logwood Extract—Methylal, Refined

Logwood extract, crystals, No. 1, bbls., l.c.l lb. .41 - —
No. 2, bbls., l.c.l lb. .39 - —
liquid, No. 1, bbls., l.c.l lb. .20 - —
No. 2, bbls., l.c.l lb. .19 - —
No. 3, bbls., l.c.l lb. .18½- —
solid, No. lb. .35 - —
Lovage root, imported, bls lb. .65 - .75
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs. lb. 1.70 - 1.75
Lysine hydrochloride, dextro-laevo, bots kilo 145.00 -149.00

M

Mace, Siauw, No. 1, bls lb. .96 - .97
West Indian, No. 1, bls lb. .85 - .86
broken, cs lb. .70 - .72
Magnesia, calcined, tech., ctns. works lb. .32 - .34¾
synth., rubber grade, ctns., works lb. .31 - —
USP, light, ctns lb. .34 - .36
heavy, bbls. lb. .36 - .38
Magnesite, chemical grade, bgs., c.l., works, frt. equald ton. 72.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash ton. 36.30 - —
Magnesium bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09¼- —
l.c.l., frt. alld lb. .10½- —
bbls., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld lb. .11¾- —
kgs c.l., frt. equald lb. .12 - —
l.c.l., frt. alld lb. .13 - —
Magnesium, carbonate, USP, bgs., c.l., frt. equald lb. .11¼- —
l.c.l., frt alld lb. .12¼- —
bbls., c.l., frt. equald lb. .11¾- —
l.c.l., frt. alld lb. .12¾- —
kgs., c.l., frt. equald lb. .13 - —
l.c.l., frt. alld lb. .14 - —

Magnesium carbonate is quoted frt. alld. to N J except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt equald with N. Y C. on all other destinations.

Chloride, anhyd., lump., 95-98%, drums, c.l., works, frt. equald lb. .12¾- —
l.c.l., same basis lb. .14 - .15
powd., bbls., works ton. 50.00 - —
hydrous, flake, dms., l.c.l., works ton. 49.00 -51.00
Gluconate, dms., cns lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.10 - 5.20
Hydroxide, NF, medicinals, bbls., dms., kgs lb. .26½- .30
Hypophosphite, dms lb. 1.60 - —
Laurate, bbls. lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .24½- —
sticks, cs., works, frt. alld. on carlots lb. .42 - .44
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls, works lb. .12 - .14
Sulphate (see Epsom salt).
Stearate, ctns., c.s. lb. .38 - —
ton lots lb. .39 - —
less ton lots lb. .40 - —
Magnesium trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb. lots lb. .40 - —
100-lb. lots lb. .45 - —

Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.

Maleic anhydride, dms., c.l., dlvd. E. of Rockies lb. .37 - —
l.c.l., dlvd. E. of Rockies lb. .38 - —

Prices on maleic anhydride W of Rockies, 1½c. higher.

Malva flowers, black, bls lb. .90 Nom.
blue, bls lb. 1.65 - 2.00
Leaves, bls lb. .35 - .38
Mandrake root, bls lb. .28 - .30
Manganese acetate, bbls, dlvd lb. .32½- —
Arsenate, bgs lb. .16 - —
Borate, tech., bbls lb. .24 - —
Carbonate bbls., works lb. .21 - —
Chloride anhyd., dms., works lb. .20 - .22
Dioxide, African, 84-87%, 40,000 to 99,999-lb. lots, paper bgs., gross for net, works ton. 83.00 - —
paper-lined burlap bgs., works ton. 86.00 - —
dms., works ton. 88.50 - —

Prices for manganese dioxide in 10,000 to 40,000-lb. lots, $3 per ton higher.

Gluconate, dms., cns lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms. lb. 4.70 - 4.80
Hydrate, bbls., dlvd lb. .33¼- —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn., dms. lb. .30½- —
solid, precip., 8.2% Mn., bbls lb. .33½- —
Metal, cs., dlvd, East lb. .30 - .32
Naphthenate, liquid 6% Mn., dms., frt. alld lb. .25 - —
Oleate, precip., bbls lb. .33½- —
Resinate, fused, 3½% Mn., dms lb. .21¾- —
precip., dms lb. .24½- —
Manganese stearate, ctns., c.l. lb. .38 - —
ton lots lb. .39 - —
less ton lots lb. .40 - —
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton. 75.50 - —
l.c.l., dlvd., S. E. ton. 82.50 - —
feed grade, 75%, bgs., c.l., dlvd. S.E. ton. 87.50 - —
l.c.l., dlvd. S. E ton. 94.50 - —
Tallate, 6%, dms lb. .21¾- —
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. 79.00 -80.00
So. American, 30% tannin, c.l., ex dock ton. 58.50 -60.00
Manna, flake, large, cs lb. 1.25 - 1.30
small, cs lb. .80 - .95
Mannitol, cont'l, dms., works lb. .40 - .43
reagent, 50-lb dms., works lb. .85 - —
Marjoram, Bohemian, bls lb. .23 - .23½
Chilean, bls lb. .21 - .22
French, bls lb. .28½ - .29
Peruvian, bls lb. .19 - .20
Matico leaves, bls lb. .25 - .35
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb lots, works lb. .33½- —
less than 500-lb. lots, works lb. .38½- —
Menadione, USP, bots gram. .06 - .06½
Menthol, natural, USP, Brazilian, cs lb. 5.00 - —
Japanese, cs lb. 6.70 Nom.
synthetic, USP, racemic, cns lb. 4.95 - —
Menthyl salicylate, tins lb. 4.00 - 4.25
Mercaptobenzothiazole, bgs., bbl. dms. ton lots, works, frt. alld lb. .34 - .35
less ton lots, same basis lb. .36 - .37
Mercaptobenzothiazole disulphide, bgs., fib. dms., ton lots, works, frt. alld lb. .42 - .45½
less ton lots, same basis lb. .44 - .45½
Mercury, ammoniated (see White precipitated).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide, NF VIII, powd., fib. dms. lb. 5.29 - —
Iodide, red, NF, fib. dms lb. 6.22 - —
yellow, NF, fib. dms lb. 6.47 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate), tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 4.64 - —
Mesityl oxide, dms., c.l., dlvd lb. .13¼- .14¼
l.c.l., dlvd lb. .14 - .15
tanks, dlvd lb. .11½- .12½
Metaldehyde, dms., works lb. .95 - 1.25
Meta-aminophenol, distilled, dms., ton lots lb. 2.05 - —
less than ton lots lb. 2.50 - —
Metachloraniiin, dms., works lb. .80 - —
Metacresol, 98%, dms., c.l., works lb. .73½- —
l.c.l., works lb. .74½- —
Metanitroaniiin, dms., frt. alld lb. 1.05 - —
Metanitroparatoluidin, bbls lb. 1.54 - —
Metaphenylenediamine, kgs., frt. alld. lb. .90 - —
Metatoluidine, bbls., c.l., works, frt. alld lb. .78 - —
l.c.l., same basis lb. .80 - —
tankcars, same basis lb. .76 - —
Metatolylenediamine fib. dms., frt. alld lb. .94 - 1.00
Methanol, natural, denaturing grade, dms., c.l., frt. alld gal. .78 - —
l.c.l., frt alld gal. .79 - —
tanks, frt alld gal. .70 - —

Prices on natural methanol W. of Miss., 3c. higher

synthetic, Zone 1, dms., c.l., frt. alld lb. .44 - .45½
l.c.l., frt. alld gal. .49 - .50½
tanks, frt. alld gal. .32 - .33½
Zone 2, dms., c.l., frt. alld gal. .49½- —
l.c.l., ex whse gal. .54 - —
tanks, frt. alld gal. .35½- —

Synthetic methanol zones are:—Zone 1 is all continental U. S., E of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of the U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine)
Methionine, dextro-laevo, fib. dms., frt alld. 50-lb or more lb. 4.55 - —
feed grade, 98%, fib., dms., same basis lb. 3.00 - —
97%, fib dms., same basis lb. 2.97 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .61 - .64
Methyl abietate, non-ret, dms., c.l., dlvd., zone 1 lb. .19½- —
l.c.l., same basis lb. .20 - —
hydrogenated non-ret, dms., c.l., dlvd., zone 1 lb. .20 - —
l.c.l., same basis lb. .20½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

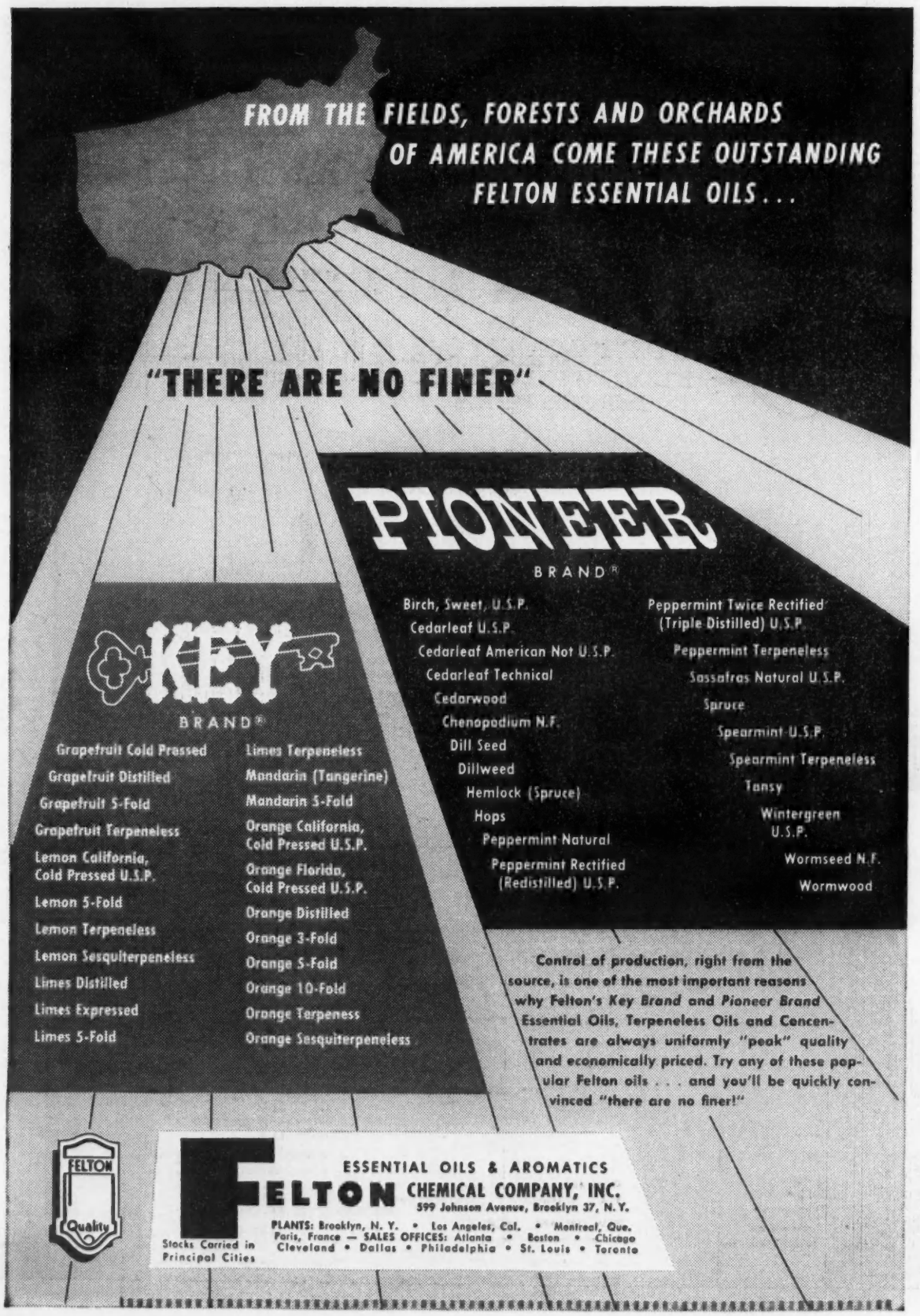
Acetone, natural, dms., c.l., E. of Miss., frt. alld gal. .57 - —
l.c.l., same basis gal. .68 - —
tanks, same basis gal. .45 - —

Natural methyl acetone prices W. of Miss. 3½c. per gal. higher

synthetic, dms., c.l., dlvd. E. gal. .66½- —
l.c.l., dlvd. E. gal. .72¼- —
tanks, dlvd. E. gal. .54½- —

Synthetic methyl acetone East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory is all States West of those four.

Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload works lb. .50½- —
tanks, works lb. .49 - —
Alcohol (see Methanol).
Anthranilate, cns. lb. 2.35 - 2.40
extra, cns lb. 2.65 - 4.40
Benzoate, cns., dms lb. .53 - .59
Bromide, jobbers, cyls., various sizes, works lb. .47 - .61
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit works lb. .14 - —
single-unit, works lb. .11½- —
refrigerator mfrs., cyls., dlvd lb. .39 - .48
other consumers or service men, cyls. dlvd lb. .455 - —
Cinnamate, cns. lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Formate refd., dms lb. .35 - .40
tech., non-ret, dms., any quantity, works lb. .08 - —
tanks, works lb. .07 - —
Lactate, dms., l.c.l., works lb. .33 - —
Methacrylate, dms., c.l., and truckload, frt. equald., with Belle, W. Va., and Arlington, N. J. lb. .36½- —
less than truckload, same basis lb. .37 - —
tanks same basis lb. .35 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib dms. lb. 1.90 - 2.00
Roseanilin chloride, NF, fib. dms. lb. 5.40 - —
Salicylate, USP, dms., 500 lbs lb. .50 - —
cns., 50 lbs. lb. .55 - —
Testosterone, USP, 100 gms gm. 1.75 - —
Methylal, refined, 97%, dms., c.l., works lb. .12¾- —
l.c.l., works lb. .13½- —
tanks, works lb. .11 - —



Methylal, tech., 92%, dms., c.l., works gal. .85 - —
works gal. .85 - —
l.c.l., works gal. .90 - —
tanks, works gal. .70 - —
Methylamyl acetate, dms., c.l., dlvd. E lb. .14¾- —
l.c.l., dlvd. E lb. .15½- —
tanks, dlvd. E lb. .13 - —
Ketone, dms., works lb. 1.03 - —
Methylcellulose, special, vis., (1,500-4,000 cps.) 50-lb bgs., c.l., works lb. .73 - —
2,000 lbs. and more, same basis lb. .80 - —
smaller lots, frt. alld on 100 lbs. lb. .85 - .97
standard vis. (15-400 cps.), 50-lb. bgs., c.l., alld lb. .66 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld on 100 lbs lb. .72 - .85
Methylene blue, 100 lb lots, kgs., frt adjusted lb 3.25 - 3.60
smaller lots, kgs., same basis lb 3.40 - 3.60
Chloride, industrial dms., c.l., dlvd. E lb. .13¼ —
Methylethylketone dms. c.l., dlvd. lb. .12¾- .13¾
l.c.l. dlvd. lb. .13½- .14½
tanks, dlvd. lb. .11 - .12
Methylethylpyridin dms. c.l., works. lb. .47½ - —
l.c.l. works lb. .48 - —
tanks, works lb. .46 - —
Methylheptincarbonate, bots lb. 35.00 -45.00
Methylionone A, cns lb 6.65 8.80
B, cns lb 7.50 9.55
prime cns lb 4.55 6.40
Methylisobutyl carbinol (See Carbinol methylisobutyl)
Ketone, dms., c.l., dlvd lb .14¾- —
l.c.l. dlvd lb. .15½- —
tanks, dlvd lb. .13 - —
Methylnaphthyl ketone cans lb 3.00 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).
Methylphenylpyrazotone, 250-lb dms., dlvd lb 1.60 1.70
less than 250 lbs. dms. dlvd lb 1.80 1.90
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh bgs. c.l., works lb. .04½- —
roofing 20 to 80 mesh works lb. .03½- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt allo, E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld. E lb. .05¾- —
l.c.l. ex whse or frt. allo, E lb. .06½- —
paint or facg. bgs. c.l., works, frt. allo., E lb. .07¼- —
l.c.l., ex whse. or frt. allo, E lb. .08 - —
rubber, bgs., c.l., works, frt. allo, E lb. .07 - —
l.c.l., ex whse or frt allo, E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. allo E lb. .07¼- —
l.c.l., ex whse. or frt allo, E lb. .08 - —
white, extra, fine, bgs. c.l., works, frt. allo E lb. .07¼- —
l.c.l., ex whse. or frt allo, E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W of Rockies, 1c. higher.
Milk powder, skimmed, roller bbls., c.l. lb. .15½- .13¾
spray, bbls., c.l. lb. .16¾- .19¼
whole, roller, bbls., c.l. lb. .32 - .37
spray, bbls., c.l. lb. .35½- .44¼
Sugar, crude, bgs., c.l., works lb. .13 - —
edible, bgs., works, 30,000-lb. lots, works lb. .24 - —
2,000-lb lots, works lb. .24¾- —
200-1,800-lb lots, works lb. .25¼ —
Edible milk sugar in 6b dms., 1c. higher.
USP, 6b. dms., 30,000-lb. lots, lots, works lb. .29 - —
2,000-lb lots, works lb. .29¾- —
200-1,800-lb lots, works lb. .30¼- —
USP milk sugar in bgs. 1c. lower
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap feed grade, tanks, New Orleans gal. .10 - —
New York gal. .11 - —
Molybdenum metal, 85% Mo. powd., kgs lb. 3.00 Nom.
Trioxide, pure, kgs., works, basis Mo. content lb. 1.35 - —
technical, kgs. works, basis Mo. content lb. 1.13 - 1.14
Monobutylamine, dms., c.l., E. of Rockies lb. .54¾- —
l.c.l., same basis lb. .55¾- —
tanks, same basis lb. .53 - —
Monochlorobenzene dms., c.l., frt. allo or dlvd. E lb. .10½- .11½
l.c.l., same basis lb. .11½- .12½
tanks, same basis lb. .09 - .10
Monochlorobenzene prices in the West, 1¼c. higher.
Monoethanolamine dms. c.l. dlvd. E. lb. .29¾- —
l.c.l., same basis lb. .30¾- —
tanks, same basis lb. .23 - —
Monoethyanthranaphthylamine, dms., works lb. .83 - —
Monoethylamine, 70% contained amine, dms., c.l., dlvd lb. .32 - —
l.c.l., dlvd lb. .33 - —
tanks, dlvd lb. .30¼- —
Monoethylanilin, dms., c.l., frt. allo. lb. .51 - .57
l.c.l. frt allo lb. .52 - .58
tanks, frt allo lb. .50 - .56
Monoethylorthotoluidin bbls lb. .80 - —
Monoisopropylamine, dms., c.l., frt. allo E of Rockies lb. .29½- —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .23½- —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%, lb. .35 - —
l.c.l., same basis lb. .35½- .36
tanks, same basis lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate, monobasic.
Phosphate (see Sodium phosphate monobasic).
Mono-tertiary-butylmetacresol, dms., c.l., works lb. .49 - —
l.c.l., works lb. .50 - —
tanks, works lb. .48 - —
Morphine, cns oz. 12.40 -12.60
Acetate, anhyd., cns oz. 9.95 -10.00
Hydrobromide, cns oz. 9.90 - 9.95
Hydrochloride, NF, cns oz. 9.90 - 9.95
Sulphate USP cns oz. 9.90 -10.05
Morpholine, dms., c.l., dlvd. E lb. .54¾- .60½
l.c.l., dlvd. E lb. .55¾- .61¾
tanks, dlvd. E lb. .53 - .59
Mullein flowers, cs lb. 2.00 - 2.05
Leaves, bls. lb. .21 - .25
Musk, natural, Tonquin grains, bots. oz. 40.00 -55.00
synthetic ambrette, 100-lb. lots, fib. dms lb. 5.35 - —
25-lb. lots, cns lb. 5.40 - —
5-lb. lots, cns lb. 5.55 - —
ketone, 100-lb. lots, fib. dms. lb. 5.30 - —
25-lb. lots, cns lb. 5.35 - —
5-lb. lots, cns lb. 5.50 - —
xylol, 100 lb. lots, fib. dms lb. 1.50 - —
25-lb. lots, cns lb. 1.55 - —
5-lb. lots, cns lb. 1.70 - —
Musk root, bls lb. 1.60 - 1.65
Mustard seed, Calif. brown bgs., f.o.b source lb. .12 - —
Danish, yellow, bgs lb. .10¾- .11
Dutch, yellow, bgs lb. .11 - .11½
English, yellow, bgs lb. .12 - .12½
German, yellow, bgs lb. .10½- .11
Japanese yellow, bgs lb. .10 - .10¼
Montana, brown, bgs., f.o.b. source, Sept.-Oct. shipment lb. .08 - —
oriental, bgs., source Sept.-Oct. shipment lb. .05¼- —
yellow, bgs. source, Sept.-Oct. shipment, lb. .09¼- —
Myrobalans, J1, ord. bgs. ex dock ton 47.00 - —
assorted, ex dock ton. 48.50 - —
crushed, bgs., ex dock ton. 65.00 -66.00
Extract, Indian solid, 53% tannin, ex dock plus duty lb. .07 - —

N

Naphtha, painters (see Petroleum naphtha V. M. & P.)
Solvent (see S.
Naphthalene dom., crude 74° tanks, frt. equald lb. .0625- —
73°, dms., c.l., same basis lb. .0765- —
l.c.l., same basis lb. .0790- —
tanks, same basis lb. .0675- —
refined, industrial, bbls., c.l., frt. equald lb. .11¾- —
bgs. c.l., same basis lb. .11¼- —
tanks, same basis lb. .10¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis, lb. .14½- —
cs. 50 lbs. c.l., same basis lb. .14¾- —
1-lb. pkgs. c.l., same basis lb. .17 - —
imported, crude, 73° large lots, lb. .0385- —
Neocinchophen, USP, dms., frt. adjusted lb 7.00 8.60
Neomycin, 6b. dms., 100-kilo lots, basis activity gm. .60 - —
1-kilo lots gm 1.20 - —
Nepheline syenite glass 24 mesh, bulk, works ton 14.25 - —
pottery, 200 mesh, bulk, works, N Y ton 18.25 - —
Nepheline syenite in bgs. $3 per ton higher than bulk.
Nerolin, cns lb 2.25 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .60 - .60½
Carbonate, bbls., dlvd lb. 69¾- —
Chloride, bbls., dlvd lb. 34½- —
Cyanide, bots, dms lb. 4.50 - —
Formate, bbls., fob lots, frt. allo, lb. .53½- .59½
Metal, electro cathodes, cs., works, lb. .56½- —
Nitrate, bbls., works lb. .33½- —
Oxide, black, bbls lb. .63¼ —
Sulphate, bgs. c.l., dlvd lb. .26¾- —
l.c.l., dlvd lb. .28¾- —
Nicotinamide, USP, dms., frt. adjusted kilo 12.00 -12.30
Hydrochloride, dms. frt. adjusted kilo 11.50 -11.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. allo over 70 lbs. dm 49.40 - —
10-lb tins, dealers, frt. allo, on cases of 6 tin 10.85 - —
Niger seed, bgs., afloat lb. .11½- .12
Nikethamide, chvs lb. 7.50 8.00
Nitrobenzene, dbl. dist., dms., c.l., frt. allo lb. .10½- .11½
l.c.l., frt. allo lb. .11½- .12½
tanks, frt. allo lb. .09½- .10½

Methylal, Technical—Nutgalls

Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175 secs., bbls. c.l., works lb. .32 —
l.c.l., same basis lb .34 .36
18-25 cps bbls. c.l. lb 35 —
l.c.l., same basis lb 36 .38
250-400, 600-1,000 secs. bbls., same basis lb. 42 —
l.c.l. same basis lb 43 .45
spirit soluble 30-35 cps., ¼, ½, sec., bbls., c.l., same basis, lb. 45 - —
l.c.l., same basis lb 46 .48
5-6, 40-60 secs. bbls., c.l., same basis lb 44 —
l.c.l. same basis lb 45 .47
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
Nitroethane, dms. dlvd E of Rockies, lb 25 —
Nitrogen solution, tanks, works, 37-40.3% N ton. 120.00 123.00
Nitrogenous process tankage, bulk, works unit-ton 3.00 Nom
Sewage sludge, bulk works unit-ton 3.75 ÷ .50
Nitromethane, dms., l.c.l., dlvd E. of Rockies lb 25 —
Nitropropane 1, dms., dlvd E of Rockies lb 23¾ —
2, dms. dlvd. E of Rockies lb 25 —
Nonylphenol, dms., c.l., works lb 33¾ —
l.c.l. works lb 33¾ —
tanks works lb 32¼ —
Nutgalls, Aleppo, bgs lb 38 —
Chinese bgs lb .32 —
Istrian, bgs lb .31 —

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BALTIMORE, MARYLAND — W. R. McClayton
BOSTON, MASSACHUSETTS — Raw Materials Company
CHICAGO, ILLINOIS — The Daniel G. Hereley Company
CLEVELAND, OHIO — The Donald McKay Smith Company
DALLAS, TEXAS — W. W. Richerson Co.
DETROIT, MICHIGAN — Geo. E. Moser & Son, Inc.
HOUSTON, TEXAS — Texas Solvents & Chemicals Company
LOS ANGELES, CALIFORNIA — California Flaxseed Products Company
LOUISVILLE, KENTUCKY — B. H. Boyet and Company, L. A. Miller Co.
MINNEAPOLIS, MINNESOTA — Horton-Earl Company
MONTREAL, QUEBEC, CANADA — B. & S. H. Thompson and Company, Reg'd.
NEW ORLEANS, LOUISIANA — Russell Chemical Company
NEW YORK CITY, N. Y. — Garrigues, Stewart and Davies, Inc.
OMAHA, NEBR. — Warren-Douglas Chemical Co., Inc.
PHILADELPHIA, PENNSYLVANIA — Baker Industrial Oils Company
PITTSBURGH, PENNSYLVANIA — Emmett D. Griffin, Jr.
PORTLAND, OREGON — W. Ronald Benson, Inc.
SEATTLE, WASHINGTON — W. Ronald Benson, Inc.
ST. LOUIS, MISSOURI — Ivan T. Bauman Co.
TORONTO, ONTARIO, CANADA — B. & S. H. Thompson Company

Nutmeg—Oil, Sage

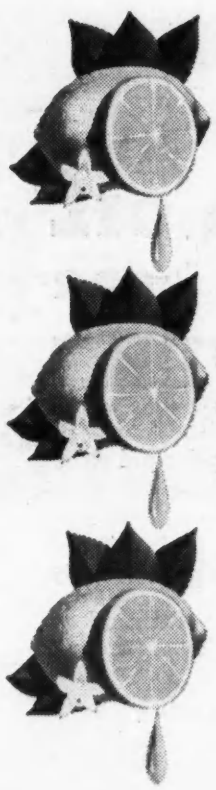
Nutmeg, East Indian, whole, cs. lb. .34 - .34½
shrivels, bgs lb. .32½- .33
West Indian, bgs lb. .27 - .27½
Nux vomica, bls lb. .10 - .12
powdered, bbls., bxs lb. .13 - .14

O

Octane, 100°-140°C., industrial grade, group 3, dms., c.l gal. .19 - —
l.c.l. gal. .21 - .60
tanks gal. .15½- —
100° C. b.r., Bayonne, N. J., tanks, gal. .18 - —
Octanol, normal, tech., dms., c.a., dlvd lb. .419 - —
l.c.l., dlvd. lb. .439 - —
tanks, dlvd. lb. .394 - —
Octyl methacrylate, normal, dms., less than truckload, works. lb. .83 - —
Octylphenol, dms., c.l., works lb. .26¾- —
l.c.l., works lb. .27¼- —
tanks, works lb. .25¾- —
Oil, abies siberica, cns. lb. 2.50 - 2.65
Almond, artificial, bitter (see Benzaldehyde).
natural, bitter, F.P.A., bots. lb. 2.75 - 3.40
NF bots. lb. 2.85 - 3.25
sweet, USP, dms., cns lb. .55 - .90
Allspice (see Oil, pimento).
Amyris, dms lb. 1.65 - 1.90
Angelica root, bots lb. 90.00 -120.00
seed, bots lb. 50.00 -95.00
Anilin (see A).
Anise, USP, Chinese, dms. lb. 2.25 - 2.75
Apricot, kernel, USP, dms. lb. .34 - .60
Avocado, cns., dms lb. No prices.
Babassu, crude, tanks lb. No stocks
Oil, bay, NF, Puerto Rican, 50-55%, cns. lb. 1.55 - 1.90
55-60%, cns lb. 1.65 - 2.10
West Indian, 50-55%, cns., dms. lb. 1.45 - 2.25
Bergamot, artif., cns. lb. 2.90 - 3.00
natural, NF, Italian, cns. lb. 11.75 -14.50
Birchtar, crude, cns. lb. 1.75 - 2.10
rectified, NF, cns. lb. 2.50 - —
Bois de Rose, Brazil, dms. lb. 3.50 - 3.80
Mexican (see Oil, lignaloe wood),
Bone, dms., works lb. .65 - .70
Cajeput, redist., USP, cns. lb. 1.95 - 2.85
tech., cns. lb. 1.95 - 2.85
Calamus, cns. lb. 10.00 -20.00
Camphor, sassafrassy, dms. lb. .26 - .40
white, dms. lb. .26 - .40
Cananga, native, cns. lb. 10.50 -11.50
rectified, cns. lb. 11.00 -14.50
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns. lb. 3.00 - 3.75
Cardamom, NF, bots. lb. 13.00 -55.00
Cassia, USP, cns., dms. lb. 5.25 - 7.50
Castor, blown, dms., c.l. lb. .2900- —
l.c.l. lb. .2950- —
dehydrated, bodied, dms., c.l., lb. .3210- —
l.c.l. lb. .3260- —
tanks lb. .3110- —
unbodied, dms., c.l. lb. .3060- —
l.c.l. lb. .3110- —
tanks lb. .2960- —
hydrogenated, bgs lb. .3425- .3475
No. 1, Brazilian, tanks lb. .24¾- —
USP, dms., c.l. lb. .2700- —
l.c.l. lb. .2750- —
tanks lb. .2600- —
refined and deodorized, dms., c.l. lb. .2850- —
l.c.l. lb. .2900- —
tanks lb. .2750- —
Oil, castor, No. 3, tech., dms., c.l. lb. .2675- —
l.c.l. lb. .2725- —
tanks lb. .2575- —
sulphonated, 50% (48% fat), dms., l.c.l. lb. .16½- .17
75% (60-62% fat), dms., l.c.l. lb. .23 - .23½
Cedarleaf, cns., dms. lb. 2.25 - 2.80
Cedarwood, cns., dms. lb. .48 - .75
Celeryseed, bots. lb. 16.50 -21.00
Chamomile, blue, Hungarian, bots. lb. 225.00 -260.00
Chaulmoogra, NF, cns., dms. lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots. lb. 23.00 -60.00
leaf, Ceylon, bots lb. 2.00 - 3.25
Citronella, Ceylon, cns., dms. lb. .55 - .90
Java, true, cns lb. 1.10 - 1.90
Java type, cns lb. .45 - .85
Clove, USP, from buds, cns., dms. lb. 9.50 - 9.75
Coconut, crude, tanks, N. Y. lb. .17½- —
Pac. Coast lb. .16¾- —
refined, Cochin type, tax incl., ret. dms., l.c.l. lb. .24½- —
deodorized, tax incl., non-ret. dms., c.l. lb. .27¼- —
Cod, Newfoundland, dms. lb. .10 - .10½
Codliver, USP, dms. gal. 1.55 - 1.65
Copaiba, cns lb. 2.00 - 2.50
Coriander, USP, bots lb. 21.00 -28.50
Corn, crude, tanks, works lb. .13⅜- —
foots (soapstock), acid, 95%, tanks, N. Y. lb. .05¼- —
raw, 50%, tanks, same basis. lb. .02¼ Nom.
refined, dms lb. .18½- .19
tanks lb. .17 - —
Costus, bots. oz. 12.50 -25.00
Cottonseed, crude, tanks, Southeast lb. .14 - —
Valley lb. .14 - —
Texas lb. .13¾- —
Oil, cottonseed, foots (soapstock), acid, 95%, tanks, N. Y. lb. .03 - —
raw 50%, tanks, same basis. lb. .01⅜- —
salad, dms. lb. .19½- .19¾
tanks lb. .18 - —
Creosote (see Creosote, coaltar).
Croton, cns lb. 4.30 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns lb. 4.50 - 6.75
Cumin, bots. lb. 4.25 - 6.00
Cypress, bots lb. 6.00 - —
Degras (see D)
Dillseed, India, bots lb. 2.80 - 4.25
Dillweed, domestic, bots., dms lb. 4.00 - 5.25
Dip (see D)
Erigeron cns lb. 6.50 - 7.50
Eucalyptus, NF, rectified, 80-85%, dms. lb. 1.00 - 1.25
70-75%, dms. lb. .80 - 1.25
Fennel, sweet, USP, cns. lb. 2.30 - 2.75
Fir, Canada, cns lb. 2.65 - 2.90
Fish, refined, alkali, dms. lb. .1410- —
kettle-bodied, dms. lb. .1610- —
light-pressed, dms. lb. .1260- —
tanks lb. .1100- —
Fishliver, crude, for feeds for concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units. .12 - .13½
10,000 to 20,000 A units per gm., dms 1,000,000 units. .12 - .12½
25,000 to 35,000 A units per gm., dms 1,000,000 units. .12 - .12½
40,000 to 55,000 A units per gm., dms 1,000,000 units. .12 - .13
100,000 A units per gm., dms., 1,000,000 units. .12 - .15
200,000 A units per gm. dms. 1,000,000 units. .12 - .15
300,000 A units per gm. dms. 1,000,000 units. .12 - .15
400,000 A units per gm. dms. 1,000,000 units. .12 - .15
500,000 A units per gm. dms. 1,000,000 units. .12 - .15

Prices above are based on the USP XIV method of conversion. Merton-Stubbs Corrected E x 1900.

Fusel (see F).
Garlic, pure, bots oz. 7.25 -10.00
Gaultheria (see Oil, wintergreen)
Geranium, Algerian, cns lb. 12.00 -16.50
Bourbon, cns. lb. 12.00 -16.50
Turkish (see Oil, palmarosa)
Ginger, dist., bots lb. 14.00 -15.00
Grapefruit, dms lb. 2.65 - 3.00
Grease, No. 1, dms lb. .11 - .12
extra, winter, strained, dms. lb. .12½- .13½
prime, burning, dms lb. .13½- .14½
Guaiacwood, cns. lb. 1.65 - 1.90
Hemlock cns lb. 2.10 - 2.50
Juniper berry, NF, VIII, bots lb. 2.75 - —
twice rectified, bots lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech, cns. lb. .42 - .50
Lard (see Oil, grease).
Laurel, dms., cns. lb. 9.75 -12.50
Lavandin, dms., cns. lb. 2.50 - 2.75
Lavender, flower, USP, French, 30-32% ester, cns. lb. 3.10 - 5.00
38-40% ester, cns. lb. 4.85 - 6.80
40-42% ester, cns. lb. 6.00 - 7.75
Spike, Spanish, cns. lb. 1.30 - 2.00
Lemon, USP, Calif., cns., dms. lb. 5.65 - 6.00
Messina, cns. lb. 5.50 - 9.50
terpeneless, bots. lb. 32.00 -75.00
Lemongrass, cns., dms. lb. 1.00 - 1.35
Lignaloe wood, Mexican, cns. lb. 3.15 - 4.50
Lime, distilled, Mexican, cns lb. 6.00 - 7.85
West Indian, cns lb. 7.00 - 8.25
expressed, West Indian, cns. lb. 7.85 - 9.25
terpeneless, bots lb. 45.00 -65.00
Linseed, raw, dms., c.l., N. Y. lb. .1725- —
l.c.l. lb. .1775- .1800
tankcars, f.o.b. Minneapolis lb. .1450- .1470
New York lb. .1575- —
tankwagon, N. Y. lb. .1625- —
Boiled, linseed oil, .006c. per lb. higher.
Mace, dist., cns., dms lb. 2.95 - 4.25
Mandarin, Floridian, dms. lb. 5.00 - 5.90
Italian, cns. lb. 6.00 -12.00
Menhaden, crude, tanks, Balto lb. .07½- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, nat., dms. lb. .16 - .16½
synthetic, cns., dms. lb. 1.60 - 1.85
Neatsfoot, 15°, dms lb. .31 - .33
20°, dms. lb. .30 - .32
30°, dms. lb. .28 - .30
Neroli, NF, French, bots lb. 216.00 -275.00
petale, bots lb. 40.00 -150.00
Nutmeg, USP dist., East Indian, cns., dms. lb. 3.35 - 4.05
West Indian, cns., dms. lb. 2.95 - 3.50
Ocotea cymbarum, dms. lb. .58 - .90
Oiticica, liquid, dms lb. .26½- .27
tankcars lb. .25 - .25½
Oleo, extra, dms. lb. .11 - .11½
Olibanum bots lb. 5.50 - 7.65
extra fine, bots lb. 8.00 - —
Olive, commercial, dms. gal. 2.05 - —
edible, dms., duty paid gal. 2.40 - 2.50
foots, dms. lb. .15 - .15½
Orange, sweet, dist., cns lb. .70 - —
expressed, USP, Brazilian, cns., dms lb. No stocks.
Calif., cns. lb. .90 - 1.00
Florida, cns. lb. .90 - 1.00
Messina cns lb. 4.00 - 5.85
West Indian, cns lb. 2.75 - 3.35
sesquiterpeneless, bots. lb. 150.00 -155.00
Origanum, Spanish, cns. lb. 2.15 - 2.75
Palm, clarif., dms., spot lb. .14½- .14¾
Palmarosa, cns. lb. 7.50 - 8.40
Palm kernel, in bond, tanks lb. .15 Nom.
Paraffin, pale, 100-110 vis., at 100°F. tanks, East Coast refinery gal. .14 - —
Patchouli, dms. lb. 6.75 - 8.25
Peach kernel, USP (see Oil, apricot kernel)
Peanut, crude, tanks, Southeast. lb. .22¾- —
refined, dms. lb. .28½- .29
tanks lb. .27 - —
Pennyroyal, USP, imported, cns. lb. 2.25 - 2.40
Peppermint, natural, dms. lb. 5.75 - 7.25
redist., USP, dms. lb. 5.95 - 6.50
Persic, USP (see Oil, apricot kernel).
Petitgrain, Paraguay, cns., dms. lb. 2.35 - 3.10
Pimento berry, NF, dms. lb. 4.40 - 5.75
leaf, cns. lb. 2.35 - 2.65
Pine, dest., dist., dms., extra, c.l., works gal. .75½- —
l.c.l. gal. .76½- —
whse. gal. .95½- —
steam dist., dms., ex whse., N.Y.C. lb. .127 - .128
Pineneedle, Siberian (see Oil, abies siberica).
Putty, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .10 - —
Rapeseed, tankcars lb. .16½- —
Red (see Acid, oleic).
Rice, bran, clarif., dms. lb. .15½- —
crude, tanks, dlvd, E. lb. .13 - —
Rose, natural, Bulgarian, bots. oz. 50.00 -62.25
Rosemary, Spanish, tech., cns., dms. lb. .60 - .75
USP, cns., dms. lb. .80 - 1.00
Rue, bots lb. 2.25 - 2.65
Safflower, dms., c.l., Atlantic coast. lb. .17 - —
tanks, same basis lb. .15½- —
Sage, clary, bots. lb. 20.00 -25.00
Dalmatian, cns. lb. 7.50 - 8.00
Spanish, cns. lb. .90 - 1.25



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When any product sells four times as well as all of its competition combined, that's a sure sign of quality. No product can hold such a dominant sales position year in and year out unless it fulfills all of the exacting requirements of thousands of quality-conscious buyers. Exchange Oil of Lemon does just that...with a consistency and regularity that have made it the standard in its field. So little Lemon Oil goes so far, why risk buying anything but the best?

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Exchange Lemon Products Co.
Corona, California

Oil, sandalwood, NF, cns	lb.	9.75	-11.80
Sardine, crude, tanks, Pac. coast,	lb.	No stocks.	
Sassafras, artificial, dms	lb.	.50	- .70
natural Brazilian (See Oil, ocotea cymbarum).			
domestic, USP, cns., dms.	lb.	1.90	- 2.25
Savin, cns	lb.	2.75	- —
Savory, cns.	lb.	No stocks.	
Sesame, refd., dms	lb.	.36	- .37
Shingle stain, tar distillate, dms., c.l., works	lb.	.31	- —
l.c.l., works	lb.	.33	- —
tanks, works	lb.	.21	- —
Snakeroot, Canada, cns	lb.	31.00	- —
Soybean, crude, tanks, mills	lb.	.12¢	- —
foots (soapstock), acid, 95%			
tanks, N. Y.	lb.	.05½	- —
raw, 50% tanks, N. Y.	lb.	.02½	Nom.
refined, alkali, dms., c.l.	lb.	.16¾	- —
l.c.l.	lb.	.17¼	- .17½
tanks	lb.	.15¼	- —
clarified, dms., c.l.	lb.	.15¾	- —
l.c.l.	lb.	.16¼	- .16½
tanks	lb.	.14¾	- —
salad, dms	lb.	.17	- .17½
tanks	lb.	.15½	- —
Spearmint, USP, dms	lb.	7.75	- 9.00
sperm, bleached, winter, 45°, dms	lb.	.1630	- .1660
tankcars	lb.	.1520	- —
natural, winter, 45°, dms	lb.	.1510	- .1560
tankcars	lb.	.1400	- —
Spruce, cns., dms	lb.	2.10	- 2.75
Sweet birch, USP, Northern, cns.	lb.	4.95	- 6.00
Southern, cns	lb.	2.00	- 3.25
Tall, crude, tanks, works	lb.	.02¼	- .02½
refined, dms., c.l., works	lb.	.06¼	- .07¼
l.c.l., works	lb.	.06½	- .07½
tanks, works	lb.	.05	- .06
Tallow, acidless, dms	lb.	.09¾	- .10¼
Tansy, dms	lb.	8.25	- 9.00
Tar, pine, com'l, dms., extra, c.l., works	lb.	.0468	- —
l.c.l., works	lb.	.0545	- —
wbse.	lb.	.0635	- —
tanks, works	lb.	.041	- —
rectified, N.F., l.c.l., dms. ex tra, works, South	gal.	.67	- —
wbse. N.Y.C.	gal.	.77	- —
Tar acid (see Tr.).			
Theobroma (see Cocoa butter).			
Thyme, NF red, cns., dms.	lb.	1.90	- 3.75
white cns.	lb	2.25	- 4.00
tech., white, cns	lb.	.40	- 1.35
Tung, dom., tanks, mills	lb.	.28½	- —
imported, dms., c.l.	lb.	.31¾	- —
l.c.l.	lb.	.32¼	- .32½
tanks	lb.	.30¼	- —
Turkey red (see Oil, castor, sulphonated).			
Turpentine, NF, cns., dms	lb.	.20	- .40
Vetiver, Bourbon, cns	lb.	20.00	-22.00
Haitian, cns.	lb.	17.50	-26.00
Java, cns	lb.	29.00	-35.00
Wheat germ, a-gal. dms	gal.	40.00	-45.00
White mineral, tech., 50-65 vis., dms., c.l.	gal.	.51½	- .54½
l.c.l.	gal.	.56½	- .57½
65-75 vis., dms., c.l.	gal.	.52½	- .55½
l.c.l.	gal.	.57½	- .58½
NF, 80-90 vis., dms., c.l.	gal.	.53½	- .56½
l.c.l.	gal.	.58½	- .59½
125-135 vis., dms., c.l.	gal.	.59½	- .62½
l.c.l.	gal.	.64½	- .65½
145-155 vis., dms., c.l.	gal.	.66	- .68½
l.c.l.	gal.	.71	- .71½
175-185 vis., dms., c.l.	gal.	.69½	- .73
l.c.l.	gal.	.74½	- .76
USP, 200-210 vis., dms., c.l.	gal.	.72½	- .75
l.c.l.	gal.	.77½	- .78
345-355 vis., dms., c.l.	gal.	.77	- .80
l.c.l.	gal.	.82	- .83
Wintergreen, USP, nat., Northern, cns.	lb.	7.15	-14.50
Southern, cns	lb.	3.35	-19.50
synthetic (see Methyl salicylate)			
Wood (see Oil, tung).			
Wormseed, cns	lb.	8.75	- 9.25
Wormwood, cns	lb.	6.55	- 6.95
Ylang-ylang, Bourbon, bots	lb.	18.00	-30.00
extra, bots	lb.	25.00	Nom.
Madagascar, bots	lb.	No stocks	
Oleostearin, bbls	lb.	.07	- .07½
Olivine aggregate, c.l., mines	ton.	7.00	- 9.50
crushed 8 mesh, bulk, c.l. works	ton.	10.00	- —
paper, bgs, c.l., works	ton.	12.00	- —
Opium, USP, cns	lb.	19.20	-19.45
gran., USP, cns	lb.	21.65	-21.90
powd., USP, cns	lb.	21.65	-21.90
Orange, cadmium, lithopone, bbls., frt. alld. E. of Rockies	lb.	1.20	- —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., include Davenport, Tenn. and N. C. E. of Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.31	- —
Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport), 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.			
Dinitroanilin toner	lb.	1.30	- —
Orange mineral, American, bbls., l.c.l., ship't point, frt. alld.	lb.	.2010	- —
Molybdated, bbls	lb.	.44	- —
Orthonitroanilin toner, kgs	lb.	1.15	- —
Persian, bbls	lb.	.65	- —
Orange flowers, bls	lb.	.53	- .56
Peel, bitter, Haitian, bls	lb.	.12	- .14
sweet, bls	lb.	.14	- .16
Oregano, Italian, bgs	lb.	.24	Nom.
Mexican, bgs., afloat	lb.	.15½	Nom.
Portuguese, bgs., afloat	lb.	.20	- —
Orris root, Florentine, bls	lb.	.20	- .22
powdered, bbls., bxs	lb.	.25	- .28
Verona, bls	lb.	.14	- .15
powdered, bbls., bxs	lb.	.19	- .24
Orthoaminobiphenyl, dms., c.l., works	lb.	.32½	- —
l.c.l., same basis	lb.	.33	- —
tanks, same basis	lb.	.27	- —
Orthoanisidin, bbls	lb.	.58	- —
Orthochloroanilin, dms., c.l.	lb.	.65	- .70
l.c.l.	lb.	.67	- .72
Orthochlorobenzaldehyde, dms., works	lb.	1.13	- —
Orthochloroparanitroanilin, dms., dlvd	lb.	.86	- —
Orthochlorophenol dms., c.l., frt. equald	lb.	.34½	- —
l.c.l., same basis	lb.	.35½	- —
Orthocresol, pure, 30° t, non-ret., dms., c.l., frt. equald	lb.	.196	- —
l.c.l., same basis	lb.	.201	- —
ret. dms., c.l., same basis	lb.	.195	- —
l.c.l., same basis	lb.	.20	- —
29° C. non-ret. dms., c.l., same basis	lb.	.188	- —
l.c.l., same basis	lb.	.191	- —
ret. dms., c.l., same basis	lb.	.185	- —
l.c.l., same basis	lb.	.19	- —
24-29° C. non-ret. dms., c.l., same basis	lb.	.153	- —
l.c.l., same basis	lb.	.156	- —
tanks, same basis	lb.	.140	- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.11¼	- .13¼
l.c.l., same basis	lb.	.12¼	- .14¼
tanks, same basis	lb.	.09¾	- .11¾
Orthoisopropyl N phenylcarbamate (see IPC).			
Orthonitroanilin, dms	lb.	.50	- .54
Orthonitrochlorobenzene, dms	lb.	.20	- .21
Orthonitrobiphenyl tech., dms., c.l., works	lb.	.14½	- —
l.c.l., works	lb.	.15	- —
tanks, works	lb.	.13	- —
Orthonitroparachlorophenol, cns	lb.	.75	- —
Orthonitrophenol, bbls, works	lb.	.94	- —
Orthonitrotoluene, dms., c.l., frt. alld.	lb.	.10	- —
l.c.l., frt. alld	lb.	.11	- —
tanks, frt. alld	lb.	.09	- —
Orthophenetidin dms., works	lb.	1.00	- —
Orthophenylphenol, fib. dms., works.	lb.	.20	- .44
Ortho-tertiary-amylphenol, dms., c.l., works	lb.	.43¾	- —
l.c.l., works	lb.	.46¾	- —
tanks, works	lb.	.41¾	- —
Orthotoluidin, dms., c.l., works	lb.	.23	- —
l.c.l., same basis	lb.	.24	- —
tanks, same basis	lb.	.22	- —
Osage orange, crystals, No. 1, bbls., l.c.l	lb.	.40	- —
extract, liquid, No. 1, bbls., l.c.l	lb.	.19	- —
Orthotolidin (see Tolidine Base).			
Ouabaine, USP	bots. gram.	3.00	- 4.00
Ox bile, extract, powdered, USP, 5-lb. lots or more	lb.	6.00	- —
not extract, powdered, 5-lb. lots or more	lb.	4.33	- —
Oxyquinolin sulphate, cns., 100-lb. lots, works	lb.	4.75	- 5.00
smaller lots, works	lb.	4.92	- 5.17

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Pancreas substance, assay 1:75 bots., 5-lb. lots or more	lb.	5.75	- —
Pancreatin, USP bots	lb.	2.50	- 3.00
Panthenol, bots., works, frt. adjust.	kilo.	90.00	- —
Papain, powd., African, dms	lb.	7.00	- 7.25
Ceylon, dms	lb.	5.75	- 6.00
Papaverine, natural or synthetic hydrochloride, USP, cns., 25 oz. to 100 oz., lots	oz.	5.00	- —
smaller lots	oz.	5.05	- 5.20
Sulphate, cns	oz.	7.10	- 7.35
Para-anisidin, dms., works	lb.	.88	- —
Paprika, Algerian, bgs	lb.	.27	- .28
Czech, bgs	lb.	.34	- .36
Moroccan, bgs.	lb.	.24	- .25
Spanish, bgs	lb.	.43	- .47
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted	lb.	17.50	-21.00
Para-aminophenol, dms., frt. alld	lb.	.97	- .98
Parachloroanilin, dms., frt. alld., E. of Miss.	lb.	.73	- —
Parachlorobenzaldehyde, dms., works.	lb.	1.24	- 1.37
Parachloro-orthonitroanilin, dms., frt. alld	lb.	.73	- .82
Parachlorophenol, dms., c.l., frt. equald	lb.	.34½	- —
l.c.l., same basis	lb.	.35½	- —
Paracresol, 98%, dms., c.l., dlvd.	lb.	.49	- —
l.c.l., dlvd.	lb.	.51	- —
Methylether, cns	lb.	2.15	- 2.50
Paracymene, dms., 50-gal. lots or more, works	gal.	2.50	- —
smaller lots	gal.	3.00	- —
Paradibromobenzene, bgs. 500-lb. lots	lb.	.53	- —
Paradichlorobenzene, dms., c.l., works	lb.	.14½	- —
l.c.l., same basis	lb.	.17	- —
Paraffin, crude scale, white, 121°-123°F, ASTM, solid, c.l., ref'y	lb.	.053	- —
fully refined, 122-124 ASTM, loose, c.l., rfy	lb.	.0745	—
125°-127°F, ASTM, loose, c.l., ref'y	lb.	.0745	—
130°-132°F, ASTM, loose, c.l., ref'y	lb.	.0755	—
132°-134°F, ASTM, loose, c.l., ref'y	lb.	.0755	—
135°-137°F, ASTM, loose, c.l., ref'y	lb.	.0755	—
Prices for paraffin in bags and ctns., c.l., 7-10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.			
Paraformaldehyde, tech., 91%, powd., bgs., c.l., frt. alld.	lb.	.13½	- —
l.c.l., frt. alld	lb.	.17	- —
flake, bgs., c.l., frt. alld	lb.	.12	- —
l.c.l., frt. alld	lb.	.13½	- —
USP X, fib. dms., c.l.	lb.	.193	- —
10,000-lb lots	lb.	.193	- —
1,000-lb. lots	lb.	.198	- —
smaller lots	lb.	.208	- —
Paraldehyde, tech., 96%, 55-gal. dms., c.l., works	lb.	.1385	- .1650
l.c.l., works	lb.	.1485	- .1750
tanks, works	lb.	.1200	- .1500
Paranitroanilin, dms., c.l., works, frt. alld	lb.	.48½	- —
l.c.l., works, frt. alld	lb.	.51½	- —
Paranitrochlorobenzene, kgs., works.	lb.	.21	- .22
Paranitrophenol, kgs., works, frt. equald	lb.	.46	- —

Resin Manufacturers...

Produce more with your present equipment!

use Celanese*

PARAFORMALDEHYDE

- 30% larger batches—paraformaldehyde eliminates water bulk.
- ⅓ shorter cycle time—reflux and dehydration steps can be cut by hours.
- greater yields—lower formaldehyde-to-phenol ratio (using paraformaldehyde) produces higher resin yields.
- new low price makes Celanese Paraformaldehyde competitive with formalin. New production units assure large volume supply.

Ask your Celanese representative to show you how you can shorten processing time, cut material, equipment and labor costs, and increase resin production with your present equipment.

Celanese Resin Application Laboratory will be glad to assist you in making up and testing trial formulations using Celanese Paraformaldehyde as a replacement for formalin. Write for complete data in Technical Bulletin N-30, to: Celanese Corporation of America, Chemical Division, Dept. 656-A, 180 Madison Avenue, New York 16, N. Y.

COST AND PRODUCTION COMPARISON†

(for a hard, grindable synthetic phenolic resin)

Typical 5 8 operation	Case 1 Formalin	Case 2 Paraformaldehyde
No. of 1000 gal. kettles	1	1
Days per week	6	6
Shifts per day	3	3
Batches per day	2	3
Time/batch hrs.	12	8
Weekly costs $	12,480	22,464
Weekly Prod. lbs./per kettle	48,000	93,600
Unit Cost ¢/lb. of resin	26.0	24.15

†In manufacture of oil soluble substituted phenolic resins, the savings can be even greater.

IF YOU PLAN ADDITIONAL INSTALLATION, you can materially reduce your capital investment by using Celanese Paraformaldehyde. No need for heated storage tanks; same output from smaller kettles; less storage space. Lower steam, electricity and cooling water costs.

Celanese CHEMICALS

*Reg. U. S. Pat. Off.

Paranitrotoluene—Phenol

Paranitrotoluene, kgs., frt. alld	lb.	.36	—
Paraphenetidin, dms., works	lb.	.90	—
Paraphenylenediamine, redistilled, dms., works	lb.	2.00	—
tech., refd., dms., same basis	lb.	1.10	1.35
Paraphenylphenol, bgs., c.l., works	lb.	.37½-	—
l.c.l., same basis	lb.	.42	—
Para-tertiary-butylphenol, bgs., c.l., works	lb.	.27½-	—
l.c.l., same basis	lb.	.28½-	—
Parathion, spray powder, 15%, dealers, tins	lb.	.53	.59
tech., dms., works	lb.	1.50	—
Para-tertiary-amylphenol, ctns., c.l., works	lb.	.26	—
l.c.l., works	lb.	.27	—
tanks, works	lb.	.25	—
Paratoluenesulphonamide, flake, bbls., frt. alld	lb.	.64	.66
powd., bbls., works	lb.	.70	—
solid, bbls., frt. alld	lb.	.61	—
Paratoluidin, flake, bbls., frt. alld.	lb.	.64	.68
solid, bbls., frt. alld	lb.	.61	—
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over	lb.	.35	.36
l.c.l., same basis	lb.	.39	.67
Passion flower herb, bls	lb	.25	.26
Peanut meal, 45%, sacked, mills.	ton	90.00	92.00
Pectin, citrous, NF, powd., bbls	lb.	2.05	2.06
tech., powd., bbls	lb.	1.50	—
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units		.09	.10
Procaine, bulk, 1,000,000 units		.10	.11
Sodium, sterile, bulk, 1,000,000 units		.09	.10
Pennyroyal herb, bls	lb.	.45	.50
Pentachlorophenol, dms., c.l., works, frt. equald	lb.	.21	—
l.c.l., same basis	lb.	.24	.29
truckload, 20,000 lbs. min. same basis	lb.	.21¼-	—
Pentaerythritol, tech., bgs., c.l., works	lb.	.33	—
l.c.l., works	lb.	.34	.36
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).			
Pentane, industrial, tanks, group 3,	gal.	12	.13½
Pepper, black, Malabar, spot, bgs	lb.	1.17	—
red, Carolina, long, bgs	lb.	.44	.45
Gondar, bgs., afloat	lb.	.25	.28
Japanese, hontakas, bgs., afloat	lb.	.49	.50
birdseyes, bgs., afloat	lb.	.62	—
Louisiana longs, bgs	lb.	.45	Nom.
Mississippi sports, bgs., source, new crop	lb.	.45	Nom.
Mombasa, bgs., afloat	lb.	.44	—
Nigerian, bgs.	lb.	.36	.40
Turkish, bgs., shipm't	lb.	.35	.35½
Unganda, bgs	lb.	.36½-	—
Zanzibar, bgs., afloat	lb.	.43	—
white, bgs	lb.	1.43	—
Peppermint leaves, USP, bls., dms	lb.	.65	.66
imported, bls.	lb.	1.05	Nom.
Pepsin, NF, 1:3,000, bulk	lb.	3.75	3.90
Perchloroethylene, dms., c.l., or truckloads, works	lb.	.11	—
dlvd. E	lb.	.12	—
l.c.l., works	lb.	.11¾-	—
dlvd. E	lb.	.12½-	—
tanks, works	lb.	.10½-	—
Peru balsam, dms	lb.	1.35	2.00
Petrolatum, amber, dms., c.l., refy.	lb.	.04¾-	.05⅛
l.c.l., dlvd.	lb.	.06½-	—
tanks, refy	lb.	.03½-	.04⅛
cream, dms., c.l., refy	lb.	.06	.07⅛
l.c.l., dlvd.	lb.	.08¼-	—
tanks, refy	lb.	.04¾-	.05⅛
extra, amber, dms., c.l., refy	lb.	.05	.05⅞
l.c.l., dlvd.	lb.	.06¾-	—
tanks, refy	lb.	.03¾-	.04⅛
USP, white, lily, dms., c.l., refy.	lb.	.06¾-	.07½
l.c.l., dlvd	lb.	.08⅝-	—
tanks, refy	lb.	.05½-	.06
soft, dms., c.l., refy	lb.	.06⅝-	.07¾
l.c.l., dlvd.	lb.	.08¼-	—
tanks, ref'y	lb.	.05⅝-	—
snow, dms., c.l., refy	lb.	.06⅞-	.08
l.c.l., dlvd.	lb.	.09⅛-	—
tanks, refy	lb.	.05⅝-	.06½
yellow, soft, dms., c.l., refy	lb.	.05	.05⅞
l.c.l., dlvd.	lb.	.06⅝-	—
tanks, ref'y	lb.	.05⅜-	—
Petroleum, crude, bulk, at wells, California	bbl.	1.10	2.99
Illinois	bbl.	2.44	2.87
Kentucky	bbl.	2.42	2.83
Louisiana-Arkansas	bbl.	2.08	2.90
Montana	bbl.	1.28	2.775
Oklahoma-Kansas	bbl.	2.16	2.65
Pennsylvania lower field	bbl.	3.82	—
Upper field	bbl.	4.25	—
Texas, East	bbl.	2.65	—
Gulf coast	bbl.	2.38	2.95
North, North-Central	bbl.	2.23	2.65
Panhandle	bbl.	2.23	2.65
West	bbl.	2.33	2.65
Wyoming	bbl.	1.28	2.875
Petroleum fuel oil, bunker C, No. 6, California, heavy, tanks, refinery	bbl.	1.95	2.15
light, tanks, refinery	bbl.	2.15	2.25
eastern, tanks, Albany, N. Y.	bbls.	2.45	—
Baltimore, Md.	bbl.	2.10	—
Boston, Mass.	bbl.	2.15	—
Charleston, S. C.	bbl.	2.00	—
Jacksonville, Fla.	bbl.	1.97	—
New York Harbor	bbl.	2.10	—
Norfolk, Va.	bbl.	2.05	—
Philadelphia, Pa.	bbl.	2.10	—
Portland, Me.	bbl.	2.15	—
Providence, R. I.	bbl.	2.12	—
Savannah, Ga.	bbl.	2.00	—
Diesel, tanks, refinery, California	gal.	.0825-	.115
Pennsylvania	gal.	.0925-	.1025
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.08375-	—
No. 3	gal.	.08	—
N. Y. Harbor, No. 2	gal.	.0975-	—
group 3, No. 1	gal.	.08125-	.0875
No. 1, straw	gal.	09	.09375
No. 2, straw	gal.	.07625-	.08125
range	gal.	.0875-	—
Pennsylvania, western, No. 1	gal.	.1075-	.1135
No. 2	gal.	.105 -	.112
No. 3	gal.	.105 -	.112
Lacquer diluent, California, 170-225 f., b.r., tanks, ex tax, f.o.b. Los Angeles	gal.	.167	.207
East coast, tanks, N. J. and N. Y. refinery	gal.	.18 -	—
group 3, benzol-type, tanks, refinery	gal.	.13125-	.13625
toluol-type tanks refinery	gal.	.12125-	.12375
Mineral spirits, regular, California, tanks, ex tax, f.o.b. San Francisco	gal.	.147 -	.157
East coast, tanks N.J., N.Y.	gal.	.16 -	—
Group 3, tanks	gal.	.10875-	—
tankwagon, Baltimore	gal.	.175 -	—
Boston	gal.	.18 -	—
Buffalo	gal.	.185 -	—
Newark	gal.	.17 -	—
New York	gal.	.165 -	.17
Philadelphia	gal.	.165 -	—
Pittsburgh	gal.	.19 -	—
Providence	gal.	.185 -	—
Rochester	gal.	.20 -	—
Syracuse	gal.	.21 -	—
Washington, D. C.	gal.	.195 -	—
specially refined, tanks, f.o.b. Watson, Calif.	gal.	.228 -	—
f.o.b. Bordertown, Tex.,	gal.	.24 -	—
f.o.b. Houston, Texas,	gal.	.24 -	—
f.o.b. Wood River, Ill.	gal.	.2625-	—
tank transport, f.o.b. Carteret, N. J.	gal.	.336 -	—
tankwagon, N. Y. and N. J.	gal.	.37 -	—
Naphtha, cleaners, East Coast, tanks, N. J. and N. Y. refinery	gal.	.16 -	—
Group 3 tanks	gal.	.11875-	—
tankwagon, Newark	gal.	.17 -	—
New York	gal.	.17 -	—
Philadelphia	gal.	.165 -	—
high flash, 140°, group 3, refinery, tanks	gal.	.134 -	.1429
high-solvency, 300-325 b.r., 37-38° C., mixed anilin pt., tanks, refinery or East Coast	gal.	.25½-	—
25-26° C., m.a.p., tanks, same basis	gal.	.24 -	.30⅛
270-370 b.r., 78-81°C., m.a.p., tanks, same basis	gal.	.29 -	—
49°C., m.a.p., tanks, same basis	gal.	.32 -	—
26-27 C., m.a.p. tanks, same basis	gal.	.24 -	.33
300-400 b.r., 29°-32° C., m.a.p., tanks, same basis	gal.	.24 -	.30⅛
340-410 b.r., 36° C., m.a.p., tanks, same basis	gal.	.24 -	—
32° C., m.a.p., tanks, same basis	gal.	.24 -	.30⅛
27° C., m.a.p., tanks, same basis	gal.	.34½-	—
350-425 b.r., 32° C., m.a.p., tanks, same basis	gal.	.30⅛-	.51⅛
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles,	gal.	.152 -	—
Portland, Ore.	gal.	.158 -	—
San Francisco	gal.	.157 -	—
Seattle, Wash.	gal.	.158 -	—
East coast, N. J., N. Y., tanks	gal.	.17 -	—
Group 3, tanks	gal.	.11875-	—
tankwagon, Boston	gal.	.195 -	—
Newark	gal.	.185 -	—
New York	gal.	.185 -	—
Philadelphia	gal.	.180 -	—
Pittsburgh	gal.	.20 -	—
Solvent, rubber, California, tanks, ex tax, San Francisco	gal.	.157 -	—
East coast, N. J., N. Y.	gal.	.17 -	—
Group 3, tanks	gal.	.11375-	—
Stoddard, California, tankwagon, ex-tax, Los Angeles	gal.	.157 -	.197
East coast, N. J., N. Y., tanks	gal.	.16 -	—
Group 3, tanks	gal.	.11375-	—
Pennsylvania, western, tanks, l.c.l., same basis	lb.	.20 -	—
tankwagon, Boston	gal.	.18 -	—
Newark	gal.	.17 -	—
New York	gal.	.17 -	—
Philadelphia	gal.	.165 -	.17
Pittsburgh	gal.	.19 -	—
Syracuse	gal.	.21 -	—
Sulphonate, oil soluble, 70%, sulphonic content, non-ret. dms., c.l., works	lb.	.2040-	—
l.c.l., works	lb.	.2065-	—
tanks, works	lb.	.1850-	—
60-62% sulphonic content, non-ret. dms., works	lb.	.175 -	.20
l.c.l., works	lb.	.185 -	.202
tanks, works	lb.	.145 -	.185
50-55% sulphonic content, non-ret. dms., works	lb.	.155 -	—
l.c.l., works	lb.	.165 -	—
tanks, works	lb.	.125 -	—
Phenobarbital, USP, dms., 100 lbs	lb.	4.50	4.70
Phenobarbital-sodium, USP, dms	lb.	4.50	4.70
Phenol, 90-92% (cresol, 8-10%), non-ret. dms., c.l., frt. alld. E. of Rockies	lb.	.18¾-	—
l.c.l., same basis	lb.	.19½-	—
ret. dms., c.l., same basis	lb.	.18 -	—
l.c.l., same basis	lb.	.18½-	—
tanks, same basis	lb.	.17 -	—
82-84% (cresol, 16-18%), non-ret. dms., c.l., same basis	lb.	.18¼-	—
l.c.l., same basis	lb.	.19 -	—
ret. dms., c.l., same basis	lb.	.17½-	—
l.c.l., same basis	lb.	.18 -	—
tanks, same basis	lb.	.16½-	—
39° or above, tar distilled, non-ret. dms., c.l., same basis.	lb.	.19¼-	—
l.c.l., same basis	lb.	.20 -	—
tanks	lb.	.17½-	.18
ret dms., c.l., same basis	lb.	.19 -	—
l.c.l., same basis	lb.	.19½-	—
tanks, same basis	lb.	.17½-	.18
USP, synthetic, dms., c.l., same basis	lb.	.19¾-	—
l.c.l., same basis	lb.	.20½-	—
tanks, same basis	lb.	.18 -	—

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Phenolphthalein, USP, or yellow bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots lb. 1.12 - 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted lb. .50 - —
over 2,100 lbs., same basis lb. .52 - —
less than 2,100 lbs., same basis. lb. .54 - —
Phenyl acetate, dms., 100 lb. lots. works lb. .50 - —
Salicylate (see SaloD
Phenylacetaldehyde solution, 50%, bots lb. 2.40 - 2.70
100%, bots lb. 4.00 - 4.65
Phenylacetamide 125-lb. dms., works, lb. 1.10 - —
smaller dms., works lb. 1.15 - 1.10
Phenylalamine dextro-laevo, dms., works lb. 27.00 - 37.50
Phenylcarbethoxy pyrazolone, 250-lb. fib. dms., dlvd. E lb. 3.60 - —
less than 250-lb. dms., dlvd. E lb. 4.00 - —
Phenyldiethanolamine, dms., c.l., frt. alld lb. .40 - —
l.c.l., frt. alld lb. .38 - .41
Phenylethanolamine, dms., c.l., works lb. .69½ - —
l.c.l., same basis lb. .70 - —
Phenylethyl acetate, dms lb. 1.20 - 1.57
Phenylethylphenyl acetate, bots lb. 4.03 - 4.50
Phenylhydrazin base, CP, bots lb 3.00 3.07
Hydrochloride commercial, kgs., works lb 1.75 - —
purified, bots., works lb. 5.12 - —
Phenylmethylpyrazolone, (see Methylphenylpyrazolone)
Phloroglucinol, coml., fib. dms., works lb. 6.40 - —
C.P., bots., fib. dms lb. 17.00 - 17.25
tech. fib. dms works lb. 10.45 - —
Phosgene, 150-lb cyls. works lb 27½ - —
Phosphate defluorinated (see under D)
Phosphate rock Curacao, Atlantic ports ton. 45.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk c.l., mines, 70%-68%, b.p.l., c.l., same basis long ton. 4.35 - 4.40
72%-70%, b.p.l., c.l., same basis long ton 5.00 - —
75%-74%, b.p.l., c.l., same basis long ton 6.00 - —
77%-78%, b.p.l., c.l., same basis long ton. 7.00 - —
Finely ground, 65%, b.p.l., basis 30% P_2O_5 minimum, bulk, c.l., mines short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum mines short ton 5.28 - —
70% b.p.l., basis 32% P_2O_5 minimum, mines short ton 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble 50c. per long ton higher.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5, c.l., mines long ton. 6.45 - —
30-29% P_2O_5 c.l., mines long ton. 7.21 - —
Phosphorus, red, amorphous cs., lb. .46 - .47
dms. lb. .44 - .45
yellow, cns. lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., c.l., works lb. .13 - .14
l.c.l., dms., works lb. .15 - .18
tankcars works 100 lbs. .11½ - —
Pentasulphide, solid, dms., c.l., works lb. .11½ - —
l.c.l., dms works lb. .13 - .13½
Pentoxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works lb. .28 - .29
dms., export lb. .33¼ - .36
Trichloride, dms., c.l., works lb. .13 - .14
l.c.l., works lb. .15 - .18
tankcars, works lb. .11½ - —
Phthalic anhydride, bgs., c.l., works, frt. equald lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks same basis lb. .21½ - —
Phthalic anhydride in bags., ½c. per pound higher.
Phthalimide, 97%-98%, dms. works, frt. alld lb. .65 - —
Phthalylsulphacetamide, fiber dms., lb. 5.00 - 5.50
Pichi leaves, bgs lb. .16 .17
Picoline (See Alpha, Beta and Gamma Picoline)
Pilocarpine hydrochloride, NF, bots. oz. 5.25 - —
Nitrate, USP, bots., vials oz. 5.10 - —
Pimento, Guatemala, bgs lb. .20 - .20½
Jamaica, bgs lb. .28 - .28½
Mexican, bgs. lb. .15½ - .16
Pinetar, retort, dms., incl. c.l., works lb. .0511 - —
l.c.l., same basis lb. .0563 - —
whse. lb. .0678 - —
Pinkroot, bls lb. 2.50 - 2.55
Piperazine hexahydrate, French Codex bots. kilo. 8.00 - 8.50
Piperidine, 95% dms. frt. equald. lb 1.65 1.93
98% dms., same basis lb 1.75 2.60
Piperonyl butoxide, dms., dlvd. E lb 5.00 5.30
Cyclonene, dms., dlvd. E lb 4.20 4.50
Pipsissawa herb (see Prince's pine)
Pitch, burgundy, domestic, dms., mc. c.l., l.c.l. works 100 lbs 9.80 - 10.25
Coaltar, 140°-150° F., m.p., bbls., c.l., works ton 38.00 - 39.00
l.c.l., works ton. 44.20 - —
Cottonseed, dms., works lb. .02¼ - .03
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms lb. .06 Nom.
Petroleum (see Asphalt, petroleum).
Pine, dms., inc., l.c.l., works, South 100 lbs. 7.50 - —
Soybean, dms., works lb. .05 Nom.
Tall, dms., works lb. .03¾ - .04½
Plaster of Paris (see Gypsum).
Platinum metal, works oz. 90.00 - 93.00
Pleurisy root, bls lb 45 - 50
Podophyllum resin, NF, dms lb. 11.00 - 11.20
Pokeroot, bls lb. .22 - .23
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000-lb. lots, works. lb. .45 - —
lb. .45 - —
smaller lots, works lb. .48 - .50
Tristearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000-lb. lots, works. lb. .48 - .50
smaller lots, works lb. .48 - .50
Polystyrene, colors, special, bgs., over 20,000 lbs., frt. alld. lb. .35¼ - .36
10,000-19,999 lbs., same basis lb. .36 - .36½
5,000-9,999 lbs., same basis. lb. .36½ - —
standard, bgs lb. .35½ - .36
crystals, heat-resistant, bgs., c.l. lb. .34 - —
l.c.l. lb. .34½ - —
standard, bgs., c.l. lb. .32½ - —
l.c.l. lb. .33 - —
Polystyrene in non-returnable fib., dms., ½c. per lb. higher.
Pomegranate root bark, bgs lb. .75 - .76
Poppy flowers, bgs lb. 1.20 - 1.25
Seed, Dutch, bgs lb. .16 - .16½
Polish, bgs. lb. .15 - .15¼
Turkish, bgs. lb. .12¾ - .13

Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 10.00 - —
l.c.l., works 100 lbs. 10.75 - —
liquid, 45%, dms., c.l., works. 100 lbs. 4.625 - —
l.c.l., works 100 lbs. 5.125 - —
tanks, works 100 lbs. 4.30 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works 100 lbs. 10.15 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l., works 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.875 - —
l.c.l. same basis 100 lbs. 4.65 - —
tanks, same basis 100 lbs. 3.55 - —
solid, 88-92% dms., c.l., works 100 lbs. 7.90 - —
l.c.l., same basis, works 100 lbs. 8.65 - —
Potassium abtetate, dms., works lb. .25 - .28
Acetate, NF, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .22 - —
powd., dms. lb. .24 - —
Bichromate, bgs., c.l., works lb. .14½ - —
l.c.l., same basis lb. .14¾ - .15½
Potassium bichromate in drums ¾c. higher.
Bitartrate (see Cream of tartar).
Bromate, bbls., 1,000 lbs. or more. lb. .50 - .52
25-200-lb. lots lb. .55 - .57
Bromide, USP, gran., bbls., kgs. lb. .34 - —
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.50 - —
USP, gran., bbls., dms lb. .16½ - 18
powd., bbls., dms lb. 21 .23

Phenophthalein—Potassium Silicate, Solution, Technical, 29° Be

Potassium chlorate, cryst., dms., c.l., works lb. .09¾ - —
l.c.l., works lb. .10 - .11
powd., dms., c.l., works lb. .10¼ - —
l.c.l., works lb .10¾ - .11¾
export, dms., 1 to 10 tons, works lb. .13 - .13¾
NF, gran., dms lb. .33 - .33
Chloride, USP, cryst., dms lb. .21 - .23
gran., dms lb. .15 - .17
powd. dms lb. .24 - .26
Chromate, tech., bgs lb. .33½ - .36
Citrate, USP, gran., dms lb. .37½ - .38½
powder, dms lb. .40½ - .41½
Cyanide, dms., 500-lb. lots or more, works lb. .55 - —
less than 500-lb. lots, works lb. .57 - —
Fluoborate, fib. dms., c.l., works. lb. .26 - —
l.c.l., works lb. .27 - —
Fluoride, dms., works lb. .24 - —
Gluconate, dms lb. .75 - .79
Glycerophosphate, 75% solution, cbys lb. 2.15 - 2.25
Guaiacolsulphonate, NF, dms lb. 2.10 - 2.30
Hydroxide, tech (see Potash caustic).
USP pellets 100 lb dms 1 to 100 dms lb. .23½ - .33
Hypophosphite, NF, ton lots or less, fib. dms lb. 1.00 1.03
Iodide, dms lb. 2.15 2.20
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 —
Metabisulphite gran., dms lb. .20 - .21
powd., dms. lb. .25 —

Potassium muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M. unit-ton. .43 - —
Trona, Cal. unit-ton. .53 - —
50-51% K_2O paper bgs., Carlsbad, N M ton. 25.75 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., rms lb. .30 - .33
Pentaborate, gran., bgs., c.l., works ton. 184.00 - —
ton lots, bbls., ex whse ton. 261.00 - —
less ton lots, bbls. ex whse. ton. 266.00 —
Powdered Potassium pentoborate, $10.25 per ton higher.
Perchlorate, dms. c.l., works lb. .14 - —
l.c.l., works lb. .14½ - .15½
Permanganate tech., dms., works. lb. .22½ .23½
USP dms. works lb. .24¾ .30¼
Persulphate, dms., c.l., works lb. .18 - .19
l.c.l. works lb. .20 - .22
Phosphate tetrabasic, bbls. works. lb. .16½ .18½
Prussiate red, kgs lb. .60 .63
yellow, dms. ton lots lb. .22½ - —
smaller quantities lb. .23 - —
kegs lb .28 - —
Silicate, glass, bgs., c.l., works 100 lbs. 14.70 - —
l.c.l. 100 lbs. 15.20 - —
solution, clarified, 29° Be, 1:2.5, dms., c.l., works 100 lbs. 5.50 - 5.63
l.c.l., 5 dms. or more, works 100 lbs. 6.25 - 6.63
tanks, works 100 lbs. 5.15 - 5.30
tech., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 4.85 - —
l.c.l., dms., works 100 lbs. 5.35 - —
tanks works 100 lbs. 4.50 - —

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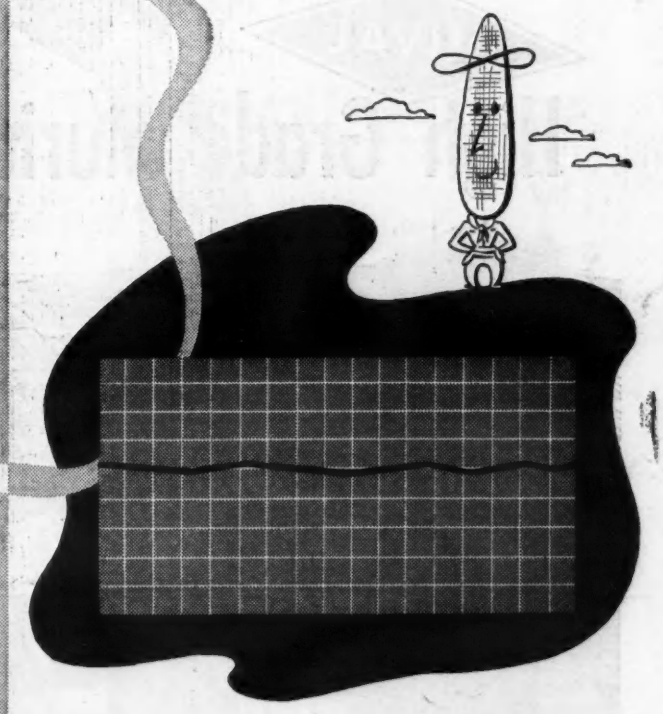

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Potassium Silicate, Solution, Technical 32.5 Be—Red, Watchung Type

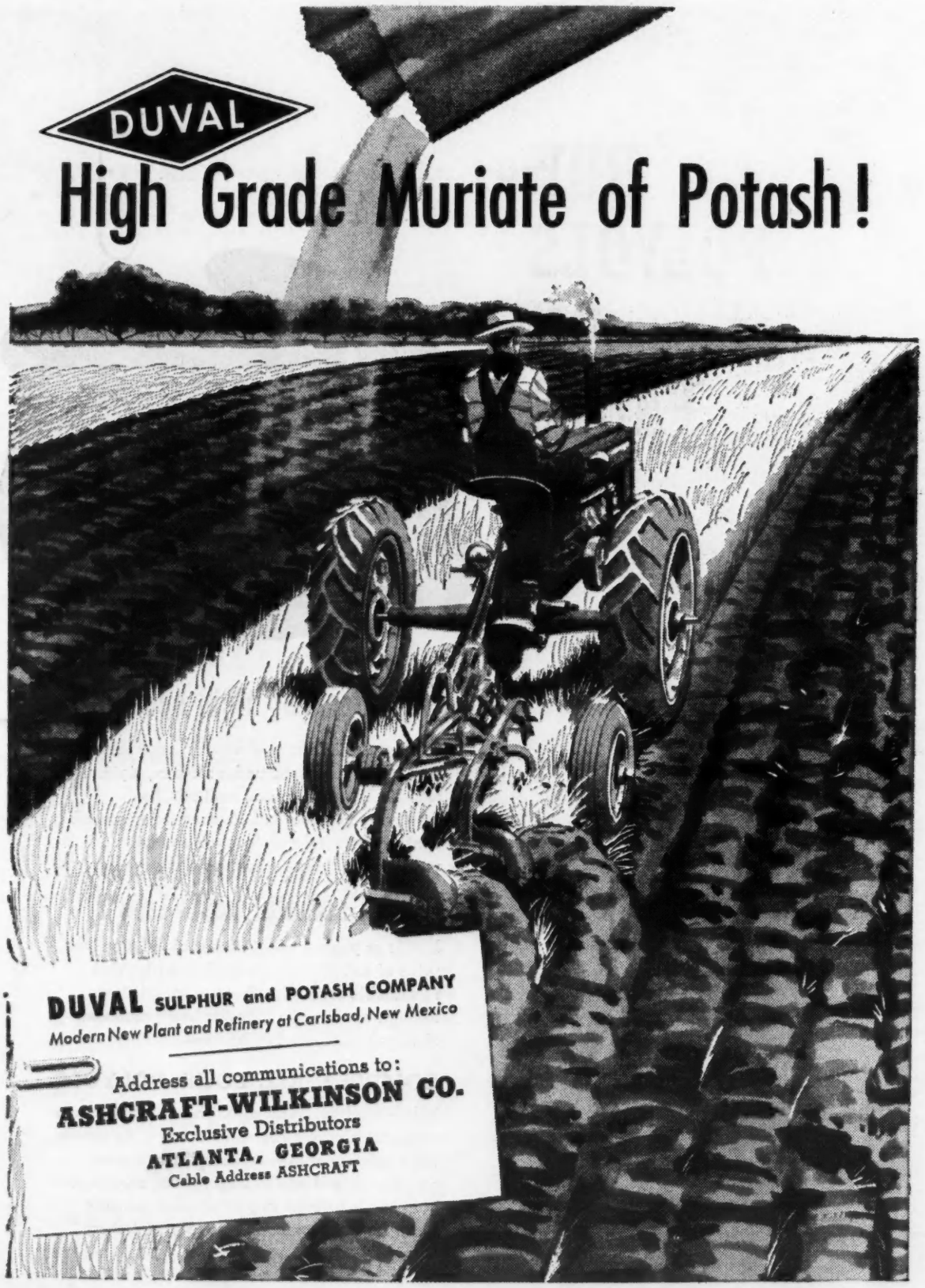
Potassium silicate, solut., tech., 32.5° Be., dms., c.l., works, 100 lbs.	4.95	•	—
t.c.l., works	5.45	•	—
tanks, works	4.60	•	—
40.5° Be., 1:2.0, dms., c.l., works	5.45	•	6.70
t.c.l., 5 dms., works, 100 lbs.	5.95	•	7.85
tanks, works	5.10	•	6.35
Silicofluoride, bbls., works lb.	.09½	•	.10
Stannate, dms., frt. alld. E. lb.	.740	•	.796
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90% ton.	36.25	•	—
NF VII, cryst., dms. lb.	.31	•	.33
gran., dms. lb.	.18½	•	—
powder, dms. lb.	.16½	•	.17
Sulphocyanide, cryst., NF (see Potassium thiocyanate)			
Thiocyanate, NF, cryst., dms., 100-lb. lots or less lb.	.87	•	.94
tech., works lb.	.77	•	.79
Titanate, ctns, c.l., works lb.	.12½	•	—
5-ton lots, works lb.	.12¾	•	—
1-ton lot or less, works lb.	.13	•	—
Potassium-magnesium sulphate bulk, works basis 40% K_2SO_4, 18% MgO ton.	16.00	•	—
Potassium-sodium tartrate (see Rochelle salt).			
Potassium-titanium fluoride, fib. dms., works lb.	.35	•	.38
Oxalate, bbls., dms lb.	.85	•	.95
Potassium-zirconium fluoride, fib. dms., c.l., works lb.	.50	•	—
t.c.l., works lb.	.52½	•	.55
Pregnenolone, bots gm.	1.50	•	—
Acetate bots gm.	1.25	•	—
Prickly ash bark, bls lb.	.55		Nom.
Berries, bgs. lb.	.70	•	.75
Prince's pine herb, bls. lb.	.60	•	.61
Procaine hydrochloride, USP, dms., frt. alld. lb.	3.10	•	3.40
Progesterone, USP, 100 gms., bots., gm.	1.75	•	—
Propane, commercial grade, tanks, group 3 gal.	.54	•	—
Propionaldehyde, dms., 5,000 lbs. or more, custom contract lb.	.60	•	—
Propyl acetate, normal, dms., c.l., dlvd. lb.	.125	•	—
t.c.l., dlvd lb.	.135	•	—
tanks, dlvd lb.	.1075	•	—
Aldehyde (see Propionaldehyde).			
Gallate, dms., 2,000 to 100 m. lots, works lb.	3.90	•	4.40
Parahydroxybenzoate, USP, dms., lb.	2.20	•	2.40
Propylene dichloride, dms., c.l., dlvd. E. lb.	.0645	•	.095
t.c.l., same basis lb.	.0950	•	.1050
tanks, same basis lb.	.07	•	.08
Oxide, dms., c.l., dlvd. E lb.	.19½	•	.20½
t.c.l., dlvd. E lb.	.20½	•	.21½
tanks, dlvd. E lb.	.17½	•	.18½
Propyleneglycol, industrial, dms., c.l., dlvd. E lb.	.19¼	•	.21¼
t.c.l., same basis lb.	.20¼	•	.22¼
tanks, same basis lb.	.17½	•	.18½
USP, dms., c.l., dlvd. E lb.	.20¼	•	.21½
t.c.l., same basis lb.	.21¼	•	.22¼
tanks, same basis lb.	.18½	•	.19½
Methylether, dms., c.l., dlvd. E lb.	.20	•	—
t.c.l., same basis lb.	.21	•	—
tanks, same basis lb.	.16½	•	—
Propylthiouracil, bots., 50-kilo lots or more kilo.	55.00	•	—
smaller lots kilo.	55.10		55.30
Psyllium seed, black, bgs. lb.	.27	•	.30
blonde, bgs. lb.	.19	•	.20
husks, bgs lb.	.55	•	.56
Pulsatilla herb, bls. lb.	.52	•	.53
Pumice, com. grd., coarse to fine, 0, ½, 1, 1½, 2, 3 bgs., ton lots lb.	.03¾	•	.04¼
smaller, lots lb.	.03⅞	•	.04½
Italian, silk-screen, coarse, bags, ton lots lb.	.06½	•	—
fine, bgs., ton lots lb.	.04	•	—
sun dried, coarse, bgs. ton, lots lb.	.02½	•	.04
fine, bgs., ton lots lb.	.02½	•	.04
Pumice in bbls. is ½c. per lb. higher.			
Pumpkin seed, bgs. lb.	.18	•	.20
Pyrethrin, synthetic (see Allethrin).			
Pyrethrum flowers, fine-grd., 0.9% pyrethrins bbls. works, lb.	.50	•	—
powder, 1.3% pyrethrins, bbls., works lb.	.71½	•	—
liquid (20 to 1) basis 2 grams pyrethrins per 100cc. odorless base, bbls., works gal.	9.75		10.50
(30 to 1) basis 3 grams pyrethrins per 100 cc. odorless base, bbls., works gal.	15.75	•	—
oleoresin dewaxed, 20% for aerosol bombs, dms., works lb.	11.00		12.00
Pyridin, denaturing, dms., c.l., works and frt. equald gal.	2.82	•	—
t.c.l., same basis gal.	2.85	•	—
refd., 2°, non-ret. dms., t.c.l., same basis lb.	.90	•	1.15
Pyridoxine hydrochloride, 100-gram, bots gram.	.55	•	—
Pyrites long-ton.	No prices.		
Pyrocatechol (see Catechol).			
Pyrogallol, NF lb.	3.25		3.43
Pyrophyllite, insecticide grade, 200 mesh, bgs., c.l., mines ton.	13.00		13.50
No. 3, 200 mesh, bulk, c.l., mines, ton.	11.00	•	—
rubber grade, 140 mesh, bgs. c.l., mines ton.	11.50		12.00
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton.	12.50	•	—
230 mesh, bulk, c.l., mines ton.	13.50	•	—
325 mesh, bulk, c.l., mines ton.	16.75	•	—
Standard and No. 3 pyrophyllite in paper bgs. $3 to $3.50 per ton extra			
Pyroxylin scrap, opaque, amber, cs., works lb.	.15	•	—
black, cs., works lb.	.12	•	—
mixed, mottled, cs., works lb.	.11	•	—
white, china, ivory, cs., works, lb.	.12	•	—
dense, cs., works lb.	.12	•	—
translucent, pastels, cs., works, lb.	.14	•	—
transparent, colorless, cs., works lb.	.20	•	—
colors, cs., works lb.	.14	•	—
shavings, opaque, amber, cs., works lb.	.12	•	—
mixed, colors, cs., works lb.	12	•	—
USP, bots. lb.	9.50	•	—

Q

Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb.	.16½		.16¾
liquid, 35% tannin, bbls., works, tanks, same basis lb.	.08¼	•	—
solid, clarif., 66% tannin, bgs., c.l., exdock, duty extra lb.	.12½	•	—
ordinary, 63% tannin, bgs., c.l. same basis lb.	.11 31/64		—
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.			
Queen of the meadow root, bgs lb.	.25	•	.26
Quercitron extract, crystals, No. 1, bbls., t.c.l. lb.	.40	•	—
liquid, No. 1, bbls., t.c.l. lb.	.19	•	—
Quicksilver, flasks (76 lbs. net) flask.	215.00		217.00
Quince seed, bgs. lb.	.80		1.50
Quinidine, NF, V cryst., cns., 100-oz. lots oz.	1.90	•	—
powd., precip., cns., 100-oz. lots oz.	1.85	•	—
Sulphate, USP, cns., 100-oz. lots oz.	1.00	•	—
Quinine, NF, cns., 100-oz. lots oz.	.70	•	—
Bisulphate, USP cns., 100-oz. lots oz.	.51	•	—
Dihydrochloride, USP, cns oz.	.70	•	.72
Ethylcarbonate, NF, cns., 100-oz. lots oz.	.75	•	—
Hydrobromide, NF, cns. 50-oz. cns. oz.	.63	•	—
Hydrochloride, USP, cns., 100-oz. lots oz.	.63	•	—
Phosphate, NF cns., 100-oz. lots oz.	.76	•	—
Salicylate, NF cns., 100-oz. lots oz.	.66	•	—
Sulphate USP, cns., 100-oz. lots oz.	.56½	•	—
Quinine and Urea hydrochloride, NF, cans oz.	.68	•	—
Quinolin, ret. dms., c.l., frt. equald. lb.	.50¾	•	—
t.c.l., same basis lb.	.51¾	•	—
tanks, same basis lb.	.50	•	—

R

R salt, paste, basis, 100%, dms., frt. alld. lb.	.83	•	—
powd., basis, 100%, frt. alld lb.	.88	•	—
Raspberries, dried, bbls lb.	1.30	•	1.35
Red, BON, arylid deep shades, bbls. lb.	3.60	•	—
light medium shades, bbls. lb.	2.75	•	—
maroons, pure, bbls lb.	1.75	•	—
resinated, bbls lb.	1.50	•	—
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb.	4.30	•	—
light shade, same basis lb.	4.00	•	—
medium shade, bbls., same basis lb.	4.25	•	—
medium-light shade, bbls., same basis lb.	4.05	•	—
orange shade, bbls., same basis lb.	NP	•	—
lithopone, deep shade, bbls., same basis lb.	1.76	•	—
light shade, bbls., same basis, lb.	1.61	•	—
maroon shade, bbls., same basis lb.	1.85	•	—
medium shade, bbls., same basis lb.	1.71	•	—
medium light shade, bbls., same basis lb.	1.66	•	—
orange-red shade, bbls., same basis lb.	1.57	•	—
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb higher ex whse. Los Angeles and San Francisco.			
Carmine No. 40 (see Carmine).			
Crocus martis (see Red, maroon iron oxide).			
Dyes (see Dyes, coaltar).			
Eosin toner, bbls., works lb.	1.60	•	—
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y. lb.	.12½	•	—
Iron oxide, pure, 98% ferric oxide, bgs., c.l., works lb.	.12¼	•	—
t.c.l., works lb.	.12½	•	—
natural 75%-85% ferric oxide, bgs., t.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; E. St. Louis lb.	.05¾	•	—
Lake C, toner, alizarin, bbls., works lb.	1.10	•	1.20
Lithol, toner, bbls., works lb.	.79	•	—
rubine, toner, pure, bbls., works lb.	1.50	•	—
resinated, bbls., works lb.	1.40	•	—
Virginia-type, bbls., works lb.	1.40	•	—
Maroon toner, BON, arylid, dlvd. lb.	3.60	•	5.90
Cadmium, deep, bbls., works, lb.	1.20	•	—
regular, bbls., works lb.	1.10	•	—
MNPT toner, kgs., works lb.	3.60	•	—
Maroons in smaller pkgs. 5c. per lb. higher.			
Mercury oxide, tech., bbls., 10,000 lbs, works lb.	4.22	•	—
smaller lots, works lb.	4.24	•	—
Metallic, bbls., c.l., works lb.	.02½	•	—
t.c.l., works lb.	.02¾	•	—
Oxide (see Red, iron oxide)			
Persian gulf, bgs., c.l., works lb.	.06¾	•	—
t.c.l., works lb.	.07	•	—
Para toner, bbls lb.	.85	•	—
Chlorinated, kgs lb.	1.10	•	1.15
Phloxin toner (see Red eosin toner).			
Rhodamine, molybdated, PMA., kegs lb.	4.90	•	—
tungstated, PTMA, works, kegs, lb.	6.35	•	—
Spanish, oxide, bbls., c.l., ex dock lb.	.05¾	•	—
t.c.l., ex dock lb.	.06	•	—
ex whse., New York lb.	.06½	•	—
Toluidin toner, deep shades, kgs., works lb.	1.40	•	—
light shades, kgs., works lb.	1.40	•	—
Turkey, bbls., works lb.	.14½	•	—
Tuscan, bbls. frt. equald lb.	.24½		.25
Venetian, 15%, bgs., works lb.	.0350		.0375
20%, bgs., works lb.	.04	•	—
25%, bgs., works lb.	.0450	•	—
30%, bgs, works lb.	.0475	•	—
35%, bgs., works lb.	.05	•	—
40%, bgs., works lb.	.0325	•	—
Vermillion, Amer., bbls lb.	.32	•	—
Quicksilver, ctns. lb.	3.90	•	—
Watchung-type, bbls. lb.	1.95	•	—



NORFOLK, VA. • CHARLESTON, S. C. • TAMPA, FLA. • JACKSON, MISS. • COLUMBUS, O.

Red KB base (see Chloro (4)-2-toluidine).
Red precipitate, NF, powd., fib. dms. lb. 4.37 - 4.41
Red saunders, NF, powd., bbls. lb. .35 - —
Rennin, NF, powder lb. 6.25 - —
Resorcinol, tech. grade, dms., c.l., works lb. .82½- —
l.c.l., works lb. .83½- —
USP, cryst., dms., works lb. 2.75 - —
powd., dms., works lb. 2.95 - —
Monoacetate, NF, dms. lb. 3.25 - 3.45
Rhatany root, bgs. lb. .15 - .16
Rhodinol, 5-lb. cans lb. 40.00 -56.00
Rhubarb root, China, whole, cs. lb. .85 - .86
powd., bbls lb. .95 - .96
India, whole, bgs. lb. .35 - .36
powdered, bbls. lb. .40 - .44
Riboflavin, USP, bots., dlvd. kilo. 100.00 - —
readily soluble, bots., dlvd. kilo. 100.00 - —
Rice bran, concentrate, dms., Cedartown, Ga lb. .79 - —
Rochelle salt, USP, gran., powd., dms., c.l. lb. .32½- —
5,000-lb. lots, dms., c.l. lb. .32½- —
smaller lots lb. .33½- .38½
Rose flowers, pale, bls lb. .45 Nom.
Rosemary flowers, bls lb. .95 - .96
Leaves, French, bls lb. .11 - .11½
Portuguese, bls. lb. .07 - .07½
Spanish, bls lb. .09 - .09½
Rosin, gum and wood (see Naval Stores, Protective Coatings market).
Rotenone, CP, bbls., works lb. 20.00 - —
tech., bbls. works lb. 16.50 - —
Rottenstone (see Tripoli)
Rue herb, bls lb. .35 - .40
Rutin, NF, 25 kilo lots, fib. dms. kilo. 27.50 -40.00
10 to 25-kilo lots, fib. dms kilo. 28.50 -40.00
1 to 10-kilo lots, fib. dms kilo. 30.00 -40.00
Ryania, 100% powd., bgs., works lb. .20 - —

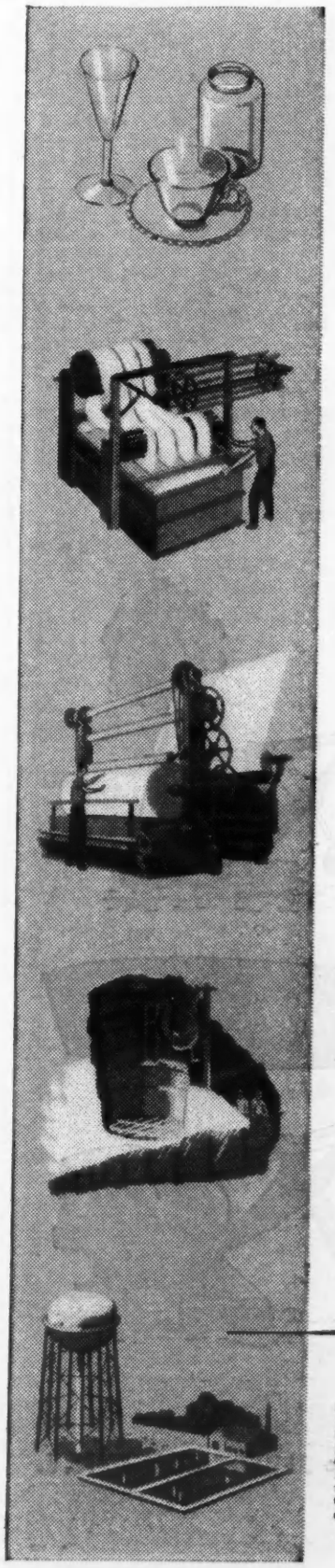
S

Sabadilla seed, powd., bbls. lb. .70 - —
activated, ground with lime, bbls lb. .41 - .42
Saccharin, USP, gran., soluble, dms., 1000-lb. lots lb. 1.60 - —
smaller lots lb. 1.70 - 1.80
powd., soluble, insoluble, dms., 1000-lb. lots lb. 1.65 - —
smaller lots lb. 1.75 - 1.95
Saffower, Egyptian, ols lb. .60 - .65
Saffron, Mexican, bls lb. .95 - .96
Spanish, USP, tins lb. 21.50 -23.50
Sa.rol dms lb. .72 - 1.35
Sage, Cretan, bls lb. .11½- .12
Cyprus, bls lb. .09 - .09½
Dalmatian, bls. lb. .45 - .46
Greek, bls lb. .11½- .12
Italian, Officinalis, bls. lb. .18 - .20
Spanish, stemless, bls. lb. .12 - .12½
Syrian, bls lb. .11½- .12
Turkish, bls. lb. .12 - .12½
Sago flour, raw, bgs. lb. .07½- .07¾
refined, bgs. lb. .09 - .09¼
Sal soda (see Soda sal).
Salol, NF, gran., bbls., kgs. lb. 1.05 - —
fib. dms lb. 1.07 - 1.08
Powdered salol, 25c. higher.
Salt, rock, paper bgs., c.l., works, 100 lbs. .63 - —
t.c.l. 100 lbs. 1.09 - —
Salt, table, vacuum, common, fine, paper bgs. c.l., works 100 lbs. .77 - —
l.c.l., works 100 lbs. 1.12½- —
Saltcake, dom., bulk, works, 100% Na2SO4 basis ton. 17.00 - —
Saltpeter, cryst., bbls., 10-ton lots, 100 lbs. 14.40 - —
smaller lots 100 lbs. 14.65 -14.90
powd., bbls., 20-ton lots 100 lbs. 10.75 - —
smaller lots 100 lbs. 12.00 -12.50
gran., bbls., 20-ton lots 100 lbs. 9.75 - —
smaller lots 100 lbs. 11.10 -11.50
NF, gran., dms. lb. .09¾- .17¾
Saltpeter in bags, 50c. per 100 lbs. less; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms lb. .75 - .76
Sanguinarine nitrate, bots oz. 4.75 - 5.50
Santonin, NF, dom., dms., cryst., powd., cns lb. 110.00 -120.00
imported, cryst., powd., cns lb. 112.50 - —
Saponin, No. 1, 100-lb. dm lb. 2.75 - —
Sarsaparilla root, dom. bls lb. .45 - .50
Honduras, bls lb. .38 - .40
Mexican bls lb. .22 - .25
Sassafras root bark, ord., bls. lb. .44 - .45
select bls lb. .55 - .56
Savory, French, bls lb. .21 - .21½
Spanish bls lb. .14 - .16
Saw palmetto berries, bgs lb. .32 - .33
Scammony resin, lump, cns lb. 1.95 - 2.20
powd., cns lb. 2.05 - 2.30
Schaeffer's salt, paste, dms., frt. alld. lb. .77 - —
powder bgs., frt. alld lb. .80 - —
Scopolamine hydrobromide, bots. oz. 14.00 -15.00
Hydrochloride USP, bots oz. 8.00 - —
Seidlitz mixture, bbls., 5,000 lbs lb. .30½- —
smaller lots lb. .31 - .32
Selenium powd., dms., dlvd lb. 3.25 - —
Senega root, bls lb. 2.15 - 2.20
Senna leaf, Alex., half-leaf, bls lb. .22 - .23
sifting, bgs. lb. .18 - .19
Tinnevelly, No. 1, bls lb. .20 - .21
No. 2, bls lb. .18 - .19
No. 3, bls lb. .14 - .15
powdered, bls., bxs lb. .17 - .18
Pods, bls lb. .33 - —
Serpentaria root, bls lb. 5.00 - 5.10
Sesame seed, Nicaragua, hulled, bgs. lb. .21 - .25
natural, bgs. lb. .13¾- .14
Turkish, bgs lb. .15 Nom.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .43 - —
bbls., 1,500-lb. lots lb. .44 - —
kgs., 1,500-lb. lots lb. .46 - —
refined, bgs., 1,500-lb. lots lb. .53 - —
bbls., 1,500-lb. lots lb. .54 - —
kgs., 1,500-lb. lots lb. .56 - —
Bonedry shellac prices for less than 1,500-lb lots, 1c. per lb higher for all packages.
Lemon, No. 1, bgs lb. .32 - .34
No. 2, bgs lb. .29 - .32
Superfine, bgs., 10-bg. lots lb. .28 - .30
TN, bgs., 10-bg. lots lb. .25 - .27
Shellac in 1 to 9 bg. lots, 1c. more.
Shingle stain oil (see Oil, shingle stain).
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., fil., works ton 25.00 - —
t.c.l., works ton 30.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton 20.00 - —
t.c.l., works ton 25.00 -30.00
140 mesh, bgs., c.l., works ton 15.00 - —
t.c.l., works ton 20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .16 - —
t.c.l. works lb. .20 - .28½
Silver bullion, ingots, cs lb. .85¼- —
Cyanide (fib. dms., 2,500-oz. lots oz. .75⅞- —
1,000 oz. lots oz. .76⅛- —
500 oz. lots oz. .76⅜- —
100 oz. lots oz. .76⅝- —

Silver nitrate, CP, cryst., bots., 2,500-oz. lots oz. .54¾- —
1,000-oz. lots oz. .56 - —
500-oz. lots oz. .58½- —
250-oz. lots oz. .57 - —
USP granular silver nitrate, 4c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.65 - —
strong, NF, bots., dms., 1,000-oz. lots oz. 1.00 - —
Simaruba bark, bls lb. .90 Nom.
Skullcap herb, Eastern, bls lb. .50 - .65
Western, bls lb. .30 - .35
Skunk cabbage root, bls lb. .60 - —
Slate flour, bgs., c.l., works ton. 7.55 -13.00
l.c.l., ex whse ton. 19.85 -27.35
Sloe berries, bgs lb. .24 - .28
Smalt, black, ctns lb. .15 - —
Blue, ctns lb. .18 - —
Snakeroot, Canada, bls lb. .75 - .80
Soapbark, bls. lb. .28 - .30
crushed, bls., bbls lb. .33 - .34
powd., bbls lb. .33 - .37
Soda ash, dense, 58% paper bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., stock points 100 lbs. 2.85 - 4.62
bbls., c.l., works 100 lbs. 2.15 - —
l.c.l., stock points 100 lbs. 3.35 - 4.12
bulk, c.l., works 100 lbs. 1.30 - —
light, 58% paper bgs., c.l., works 100 lbs. 1.50 - —
l.c.l., stock points 100 lbs. 2.75 - 4.52
bbls., c.l., works 100 lbs. 2.05 - —
l.c.l. stock points 100 lbs. 3.25 - 5.02
bulk, c.l. works 100 lbs. 1.20 - —
Soda, caustic, flake, powd., 76%, c.l., works 100 lbs. 3.75 - —
l.c.l. stock points 100 lbs. 4.95 - 6.77
Sodium caustic, liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.33 - —
50% rayon type, tanks, works, dry basis 100 lbs. 2.65 - —
70% sellers' tanks, works, dry basis 100 lbs. 2.63 - —
rayon type, tanks, works, dry basis 100 lbs. 2.73 - —
solid, 76% dms., c.l., works 100 lbs. 3.35 - —
t.c.l. stock points 100 lbs. 4.55 - 5.05
Sal. bgs., c.l., works 100 lbs. 1.40 - —
t.c.l., works 100 lbs. 1.70 - —
Soda lime USP dms lb. .23 - .25
Sodium acetate, anhyd., bgs., c.l., works lb. .12 - —
t.c.l. dms lb. .12¾- —
NF, gran. dms., works lb. .16 - .16½
Alginate, refined, bbls., works lb. .83 - —
semi-refined, bbls., works lb. .54 - —
NF, white, powd., dms. ton lots, works lb. 1.30 - —
Antimoniate, bbls., c.l., dlvd. E. lb. .27½- —
l.c.l., dlvd. lb. .29 - —
Arsenate, dms., c.l., works lb. .12½- —
l.c.l. dms works lb. .13¾- .14¼
Arsenite, dms., c.l., works lb. .13½ —
t.c.l. dms works lb. .14¼ 15¼
solution dms., works gal 70 1.10
Ascorbate, dms., 25-50 kilo lots kilo. 21.00 - —
10 kilo lots kilo. 21.25 - —
5 kilo lots kilo. 21.75 - —
1 kilo lots kilo. 22.00 - —
500 gram lots, bots kilo. 22.50 - —
Benzoate, tech., bbls., dms., 100 lbs or more lb. .37½- .39
USP, bbls., dms., 100 lbs or more lb. .44½- .46

Red, KB Base—Sodium Chloride

Sodium bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.50 - —
t.c.l. works 100 lbs 3.15 - —
powd. bgs., c.l., works 100 lbs 2.10 - —
t.c.l. works 100 lbs 2.75 - —
Bichromate, bgs., c.l., works lb. .11 - —
t.c.l., same basis lb. .11¼- .13
Bifluoride, bbls., c.l., works, frt. equald lb. .13¾- —
t.c.l., same basis lb. .14¼- —
Bisulphate, bulk, c.l., works, 100 lbs 2.00 —
dms., c.l., works 100 lbs 2.65 3.85
l.c.l., works 100 lbs 3.05 3.65
Bisulphite, anhyd., bgs., c.l., works, 100 lbs. 4.05 - —
t.c.l., works 100 lbs 4.30 - —
solut. 35°, bbls., c.l., works 100 lbs 1.40 - —
t.c.l. works 100 lbs 1.60 - —
Borate (see Borax)
Bromide USP, bbls., kgs., works, lb. .34 - .35
Cacodylate, NF, jars, dms lb 8.52 - —
Carbonate, anhydrous (see Soda ash), crystalline, decahydrated (see Soda sal), monohydrated, bgs., c.l., works, 100 lbs 2.65 - —
t.c.l. works 100 lbs 3.05 - —
Carboxymethyl cellulose (see CMC).
Chlorate, cryst., dms., c.l., works, lb. 03¼- —
t.c.l., works lb 03¾- 09¾
Chloride, tech (see Salt).
USP, dms. lb 05 12
Chlorite, tech., dms., works lb 53 73



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61 Broadway, New York 6, N. Y.

BRANCH SALES OFFICES:
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SOLVAY Alkalies Chemicals Since 1881

Soda Ash
Caustic Soda
Caustic Potash
Chlorine
Calcium Chloride
Potassium Carbonate
Sodium Bicarbonate
Ammonium Bicarbonate
Specialty Cleansers
Sodium Nitrite
Para-dichlorobenzene
Ortho-dichlorobenzene
Monochlorobenzene
Ammonium Chloride

TECHNICAL LITERATURE AVAILABLE

SOLVAY Technical Bulletins are authentic, reliable sources of information that are used by many operating plants and research laboratories throughout the country. They are available to industrial and educational institutions in the U. S. and Canada only on request, without obligation.

BULLETIN

No. 5—Soda Ash
No. 6—Caustic Soda
No. 7—Liquid Chlorine
No. 8—Alkalies and Chlorine in the Treatment of Municipal and Industrial Water
No. 9—Analysis of Alkalies
No. 11—Water Analysis
No. 12—The Analysis of Liquid Chlorine and Bleach
No. 14—Chlorine Bleach Solutions
No. 16—Calcium Chloride

Sodium Chloroacetate—Sodium Trisilicate

Sodium chloroacetate, tech., dms., c.l., works lb. .24 - —
t.c.l. works lb. .25 - .26
Chromate, dms., c.l., works lb. .12¾- —
t.c.l. same basis lb. .13 - .13¾
Citrate, anhyd., dms lb. .60 - .65
USP VIII gran dms lb. .22½ - .23½
USP XIV, gran., dms lb. .28 - .34
Sodium citrate USP powd prices ½c. higher.
Cyanate, dms., 1,000-lb. lots, works lb. .85 - 1.10
smaller lots, works lb 1.00 - 1.25
Cyanide flake, 96-98% dms., c.l. of 20,000-lb lots lb. .168 - —
over 1,000 lbs lb. .178 - —
100-lb to 1,000-lb lots lb 188 - —
Granular sodium cyanide 1c higher.
Diacetate 33-35% acidity, 250 lb. dms., works lb. 14 - —
t.c.l., dms lb. .14¾- —
anhydrous dms, c.l., works lb. .17 - —
t.c.l lb. .17¾- —
Fluoride white 90%, bbls., c.l., works lb. .11 - —
t.c.l., works lb. .1140- —
95%, bbls, c.l., works lb. .1125- —
t.c.l. works lb. .1165- —
Fluoroacetate, monobasic, 8-oz. tins, 50 to a case, works lb.12.00 - —
2 to 25 tins to case, works lb 12.00 - 16.50
1 oz. tins, 16 to 64 to case, works lb 16.50 - 21.00
Formate, bgs. c.l., divd 100 lbs 7.10 - —
t.c.l. 100 lbs 8.15 - 8.45
Gentisate, 100-lb fib dms lb 8.50 - —
Gluconate, technical, bgs lb. .35 - —
refined technical, dms lb. .80 - .83
Glutamate, monobasic, dms., c.l lb. 1.67 - 1.69

Sodium glycerophosphate, NF, cryst., bbls. lb. 1.80 - 1.95
powder, bbls lb. 1.85 - 2.00
solution, 75%, cbys lb. 1.06 - 1.21
Hydride, dms., works lb. 2.00 - 3.00
smaller lots, divd lb. 1.66 - —
Hydrosulphide (see Sodium sulphyhydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .24½- —
t.c.l., frt. alld lb. .25 - —
Hydroxide, tech. (see Soda caustic).
NF, pellets, 100-lb dms., 1 to 100 dms lb. .18½- .23
Hypophosphite, NF, dms, ton lots or less lb. .95 - .98
Hyposulphite, photo grade, bgs., c.l., works 100 lbs. 4.00 - 4.25
t.c.l., same basis 100 lbs. 4.65 - 7.15
pea crystals, bgs 100 lbs 4.50 - —
gran., bgs., c.l., works 100 lbs 5.00 - —
tech., bgs., c.l., works 100 lbs. 4.00 - —
t.c.l., works 100 lbs. 4.40 - 6.90
Sodium, hyposulphite crystals in bbls. 50c. higher.
NF (see Sodium thiosulphate).
Iodide, USP lots, dms lb 2.69 - —
Lactate, edible, 50%, dms., cbys., works lb. .21½- —
60% dms cbys works lb. .26½- —
tech., 50%, dms., cbys., works, lb. .16½- —
Laurylsulphate, dms., c.l., divd. lb. .25 - —
t.c.l., divd. lb. .26 - —
tanks, divd. lb. .23 - —
Metabisulphite, see sodium bisulphite

Sodium metaborate, octahydrate, gran., bgs., c.l., works ton.78.50 - —
t.c.l., ex whse ton.124.50 - 129.50
Sodium metaborate, octahydrate in bbls., $24.50 per ton higher.
tetrahydrate, c.l., bbls., works, ton.199.50 - —
Metal, tanks, works lb. .16 - —
bricks dms works lb. .17 - .19
Metanilate, bbls., frt. alld lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 4.70 - —
t.c.l., works 100 lbs. 4.95 - 5.45
dms., c.l. 100 lbs. 5.05 - —
t.c.l. 100 lbs. 5.30 - 5.55
Pentahydrate, bgs., c.l., works, 100 lbs. 3.80 - —
t.c.l., bgs., works 100 lbs. 4.15 - 4.55
dms., c.l. works 100 lbs. 4.20 - —
t.c.l., works 100 lbs. 4.55 - 4.95
Molybdate, crystals, bbls., works lb. .75 - .85
powd., anhy dms. works lb. 1.05 - 1.06
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls lb. .70 - —
Nitrate, crude, bgs., c.l., works, ton.51.00 - —
bulk, c.l., works ton.47.50 - —
tmp., 100-lb bgs., c.l., Atl., Gulf, Pac. whse ton.57.00 - —
bulk, c.l., same basis ton.53.50 - —
Nitrite, bbls., c.l., works, frt. equald. lb. .07¼- —
t.c.l., same basis lb. .08¾- —
USP, gran., dms lb. .17 - —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.85 - —
t.c.l., work 100 lbs. 7.60 - —
hydrated, flake, bbls., c.l., works 100 lbs. 4.75 - —
t.c.l., works 100 lbs. 5.50 - —

Sodium oxalate, neut., bgs., works, lb. .10½- —
Para-aminobenzoate, dms., 1,000-lb. lots or more lb. 3.00 - —
smaller lots lb. 3.05 - 3.40
Para-animosalicylate, dms, 1,000-lb. lots, frt. adjusted lb. 4.00 - —
smaller lots, same basis lb. 4.05 - 4.50
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald. lb. .25½- —
t.c.l., same basis lb. .26½- .28½
pellets, bgs., c.l., same basis lb. .25 - —
t.c.l., same basis lb. .26 - 28
powdered, bgs., c.l., same basis. lb. .24 - —
t.c.l., same basis lb. .25 - 27
Pentachloropnenate 20,000 lbs. min truckloads ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works lb. .193 - —
t.c.l., works lb. .198 - —
Peroxide, dms., c.l., divd, E. of Miss lb. .1860- —
t.c.l., same basis lb. .1910- .2010
Phenolsulphonate, USP IX, gran., dms lb. .44 - .45
powd., dms lb. .47 - .48
Phosphate, diabasic, anhyd., bgs., c.l., works 100 lbs. 7.25 - —
t.c.l., works 100 lbs. 7.65 - —
USP, dried powd., bgs., dms., works lb. .19 - .20½
duohydrate bgs., c.l. works, 100 lbs. 6.65 - —
t.c.l. works 100 lbs. 7.05 - —
monobasic anhyd., bgs., c.l., works 100 lbs. 8.05 - 8.30
t.c.l. works 100 lbs. 8.45 - 8.70
100 lbs. 4.05 - 5.30
tribasic, cryst., bgs., c.l., fr., equald lb.
t.c.l. same basis 100 lbs. 4.45 - 8.20
Sodium phospuates in bbls. 46c. higher than bgs
Prussiate yellow, bgs., 10-ton lots, lb. .13½- —
smaller lots lb. .14 - —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs.10.00 - 10.75
ferric, dms 1,500-lb lots works lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhy., bgs., c.l., works, frt equald 100 lbs. 7.50 - —
t.c.l. frt equald 100 lbs. 7.90 - —
Salicylate, USP, dms lb. .63 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 2.10 - —
t.c.l., divd., zone 1 100 lbs. 3.85 - 4.10
zone 2 100 lbs. 4.10 - 4.35
zone 3 100 lbs. 4.40 - 4.65
zone 4 100 lbs. 5.10 - 5.35

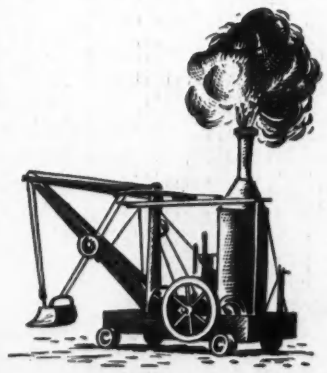
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex E. of 100°; S of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E of 98° Ga.; Iowa (except Davenport), Minn., Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W of 96°, Kan. Neb W. of 96°; N. D., Okla., S. D., Tex., W of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo. and El Paso, Tex.

bbls., c.l., works 100 lbs. 2.45 - —
Sesquisilicate, anhy., dms., c.l., works 100 lbs. 5.50 - —
t.c.l., works 100 lbs. 7.00 - —
hydrated bgs., c.l., works 100 lbs. 4.25 - —
t.c.l., bgs., works 100 lbs. 4.60 - 5.00
Silicate, liquid, 40° 1:3.2, turbid., dms., c.l., works 100 lbs. 1.25 - —
t.c.l., works 100 lbs. 1.60 - 2.00
tanks, works 100 lbs. .90 - .95
47°, turbid., 1:2.9, dms., c.l., works 100 lbs. 1.80 - 1.90
t.c.l., dms., works 100 lbs. 2.15 - 2.55
tanks, works 100 lbs. 1.45 - 1.55
52°, turbid., 1:2.4, dms., c.l., works lb. 2.10 - —
t.c.l., works 100 lbs. 2.45 - 2.85
tanks, works 100 lbs. 1.75 - —
solid, 1:3.2, bgs., works ton.52.50 - 55.00
Silicofluoride, bgs., c.l., works lb. .070 - —
t.c.l., works lb. .075 - .075
Stannate, dms., works, frt. alld. E. lb. .660 - .716
Stearate tech., dms., works lb. .43 - .44
USP, dms., works lb. .70 - .75
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF, VII, dried, powd., dms lb. .22½- —
tech., anhyd., bgs., c.l., works, frt. allowance to $10. 100 lbs. 2.25 - —
t.c.l., works, same basis. 100 lbs. 2.50 - 3.00
cryst. (see Glauber's salt).
rayon grd., bgs., c.l., works. ton.27.00 - —
t.c.l., works ton.33.00 - —
USP, cryst., fib. dms lb. .17½- .18
gran., fib. dms lb. .17½- .19
Sulphide, flake, bbls., c.l., works, E., frt. equald ton.100.00 - —
t.c.l., same basis ton.108.00 - —
fused, bbls., c.l., works, E. frt. equald ton.88.50 - —
t.c.l., same basis ton.98.50 - —
Sulphite anhyd., bgs., c.l., works. 100 lbs. 2.73 - —
t.c.l., same basis 100 lbs. 2.33 - 5.58
regular, cryst., bgs., c.l., works. 100 lbs. 4.80 - —
t.c.l., same basis 100 lbs. 5.20 - 6.45
powder, bbls., c.l., works 100 lbs. 6.75 - —
t.c.l., works 100 lbs. 7.25 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. No prices.
Sulphydrate, flake, 70-72%, dms., works, c.l. ton.115.00 - —
t.c.l., works ton.125.00 - —
liquid 34-40%, 100% basis, tanks, works ton100.00 - 117.60
Tetraborate (see Borax).
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03½- —
t.c.l., works lb. .04 - —
Thiocyanate, CP, dms lb. .55 - .65
tech., dms., works lb. .30 - —
Thiosulphate, NF, cryst., bbls lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works lb. .10½- —
5 tons, works lb. .10¾- —
1 ton or less, works lb. .11 - —
Trichloroacetate 90%, 100-lb. dms., c.l., frt. alld., E lb. .37½- —
t.c.l., frt. adjusted, E lb. .39½- —
50-lb. dms., c.l., frt. alld., E lb. .38 - —
t.c.l., frt. adjusted, E lb. .40 - —
10-lb. cns., c.l., frt. alld., E lb. .44 - —
t.c.l., frt. adjusted, E lb. .46 - —

Prices West of the Rockies are 1¼c. per pound higher.

Tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 7.85 - —
t.c.l., same basis 100 lbs. 8.25 - —
Trisilicate, powd., 1:3.2, bgs., c.l., works 100 lbs. 7.75 - —
t.c.l., works 100 lbs. 8.50 - 8.90
dms., c.l., works 100 lbs. 8.15 - —
t.c.l., works 100 lbs. 8.90 - 9.30

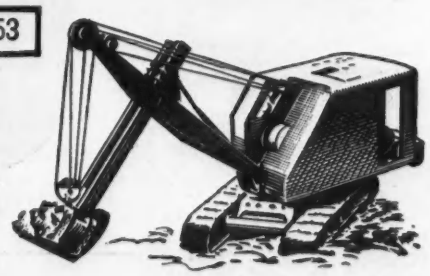
• SODIUM BICHROMATE
• SODIUM CHROMATE
• POTASSIUM BICHROMATE
• SODIUM SULPHATE



1909

over 40 years of progress in chemicals

1953



Natural BICHROMATES CHROMIUM PRODUCTS

NATURAL PRODUCTS REFINING CO. • JERSEY CITY 5, N. J.

NP 110

Sodium tristearate, fib. dms., 20,000 lbs., works..lb. .33 - —
10,000 to 20,000 lbs., works lb. .35 - —
smaller lots, works .....lb .38 - .40
Tungstate, tech., kgs., dlvd. E lb. 3.15 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcelluiose. See CMC.
Sodium-cinchopnen (see Cinchophen-sodium).
Sodium-formaldehyde sulphoxylate, c.l., dms., dlvd lb. .25½- —
l.c.l., same oasis .. ... lb .28 - —
Sodium sulpha, drugs (see Sulpha name).
Sodium-zirconyl sulphate, fiber ams., 1,000 lbs. or more, works lb. .28 - —
less than 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coaltar, refined, tanks, works gal. .31 - .32
high-flash, tanks, works gal. .31 - .32
petroleum, 100°F., flash tanks, Baytown, Tex..gal. .31 - —
Bayonne .....gal. .33 - —
150°F., flash, tanks, Baytown, Tex gal. .31 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .32 - —
10,000 to 20,000 lbs., works lb. .34 - —
smaller lots, works. lb. .37 - .39
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton-lots to 5 tons, works lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works .... lb. .24¼- —
ton lots, works .....lb. .25 - —
less ton lots, works . lb. .25¼- —
tanks, works .....lb. .23¼- —
regular, 70%, aqueous, dms., c.l., works lb. .16 - —
ton lots, works .... lb. .16¾- —
less ton lots, works . lb. .17 - —
tanks, works ..... lb. .15 - —
Soybean meal, 41% bulk, Decatur. ton.69.00 -69.50
protein chemically isolated 40,000 to 60,000 lbs., dlvd lb. .23½- —
20,000 to 40,000 lbs., same basis lb. .23¾- —
100 to 20,000 lbs., same basis lb. .24¼- —
mechanically refined, bgs., 40,000 lbs., same basis..lb. .0605- —
20,000 lbs., same basis . lb. .0620- —
smaller lots same basis. lb. .0635- —
Sparteine sulphate, cns..... oz. .85 - 1.25
Spearmint leaves, bls.....lb. .60 - .65
Spikenard root, bls.....lb. .45 - .46
Spruce extract liq. reg., tanks, works lb. .01¾- —
powd. super bgs., c.l., works. lb. .05½- —
l.c.l., works.....lb. .03¾- —
Squaw vine leaves, bls.....lb. .45 - .46
Squill red fortified powd., bbls. boxes lb. 1.60 - —
white, bls. .....lb. .12 - .15
powd., bbls., bxs.....lb. .18 - .21
St. John's bread edible, bls.....lb. .10 - 13
Stannous chloride (see Tin chloride stannous)
Star root (see Helonias root)
Stargrass root (see Aletris root)
Starch, corn, pearl, paper bgs., c.l., N. Y..100 lbs. 7.14 - —
l.c.l. .....100 lbs. 7.29 - —
powd., paper bgs., c.l..100 lbs. 7.26 - —
l.c.l. .....100 lbs. 7.32 - —

Prices for corn starch in cotton bags 25c. per 100 lbs. higher.

Potato, dom., Idaho, bgs., c.l., works..lb. .08½ Nom.
Maine, bgs., c.l., works ...lb. No stocks.
l.c.l., spot.....lb. .12 Nom.
imported, bgs., l.c.l.....lb. .09¾- .10½
Rice, l.c.l., bgs.....lb. .15 - .17
Wheat, bgs .....lb. .0675- .0710
Stavesacre seed, bgs .....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lo. .30 - .31
Stomach substance, not USP, fib. dms..lb. 2.95 - 3.10
Stoneroot bls .....lb. .07½ .08
Storax, USP, cs.....lb. 1.25 - —
Stramonium leaves, bgs .....lb. .16 - .18
Streptomycin, either hydrochloric3 or sulphate, bulk..gram. .21 - —
Strontium bromide, NF, cns., dms. lb. .77 - .78
Carbonate, 92%, dms.....lb. .23 - —
Chloride, tech., bbls .....lb. .24 - .26
Chromate, bbls., works.....lb. .46 - —
Iodide jars, 25-lb. lots.....lb. 3.37 - —
Nitrate, bbls., cs, works.....lb. .10¼- .11
Oxalate, bbls., works.....lb. No prices.
Salicylate, NF, dms .....lb. 1.65 - —
Sulphate, air floated, 90%, 325 mesh bgs., works ton.56.70 -66.15
Strontium-calcium sulphide phosphorescent, dms., works..lb 2.80 - 2.85
Strophanthin, NF, bots oz.25.00 -25.50
Strophanthus seed, Komba, biologically tested, bgs..lb. 3.25 - —
Strychnine, NF, powd., cans., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs ..... oz. 1.14 - —
Sulphate, USP, powd., cans, 100 ozs oz. 1.00 - —
Styrene monomer, dms., c.l., works lb. .22¼- —
l.c.l., works.....lb. .23¼- —
tanks, works .....lb. .21 - —
Styrolyl acetate, bots.....lb. 1.47 - 1.75
Sucrose octa-acetate, denaturing grd., 100-200-lb. bgs., l.c.l., works lb. .71 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms.....lb. 4.00 - 4.50
Sodium, dms .....lb. 4.10 - 4.60
Sulphacetamide, fiber dms .....lb. 4.00 - 4.20
Sodium, fib. dms.....lb. 5.00 - 5.20
Sulphadiazin, USP, microcrystals, dms..lb.10.60 -11.10
powder, dms.....lb.10.25 -10.75
Sulphadiazin-sodium, USP, dms..lb.11.25 -11.75
micro crystals, dms.....lb.10.60 -11.10
Sulphaguanidin, USP, dms.....lb. 4.00 - 4.50
Sulphamerazin, USP, micro crystals. lb.10.63 -11.13
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals, dms lb. 8.90 - 9.40
powder, dms.....lb. 8.50 - 9.00
Sulphanilamide, USP, 30-80 mesh., dms..lb. 1.40 - 1.60
microcrystals, dms.....lb. 1.70 - 1.90
powder, dms .....lb. 1.30 - 1.50
Sulphanilamidoquinoxaline, veterinary, dms lb. 6.50 - 6.75
Sulphapyridin, NF, powd., bots., tins. lb. 7.00 - 7.50
Sulphapyridin-sodium monohydrate, dms lb. 7.50 - 8.00
Sulphathiazole, USP, micro crystals, dms..lb. 3.15 - 3.30
powder, dms. .....lb. 2.80 - 2.95
Sulphathiazole-sodium, USP, dms., lb. 2.80 - 2.95
Sulphur, commercial, flour, bgs., mines..100 lbs. 2.03 - —
bbls., mines.....100 lbs. 2.20 - —
lump, bgs., mines.....100 lbs. 1.70 - —
bbls., mines .....100 lbs. 2.00 - —
crude, bulk, c.l., mines, contract, long ton.21.00 -22.00
f.o.b., vessels, Gulf ports, export..long ton.25.00 -27.50
domestic and Canada..long ton.22.50 -23.50

Sulphur, refined, flowers, USP, bgs., mines..100 lbs. 3.60 - —
bbls. .....100 lbs. 4.75 - —
flour, light, bgs., mines .100 lbs. 3.35 - —
bbls., mines .....100 lbs. 4.25 - —
lump, bgs., mines.....100 lbs. 2.90 - —
rolls, bgs., mines.....100 lbs. 3.35 - —
bbls., mines.....100 lbs. 3.80 - —
salt block, bgs., mines 100 lbs. 3.10 - —
virgin block bbls., mines 100 lbs. 3.05 - —
rubbermakers, com'l, regular bgs., mines..100 lbs. 2.25 - —
bbls., mines 100 lbs. 2.40 - —
98-100% passing through 325 mesh bgs., mines 100 lbs. 2.25 - —
bbls. mines .....100 lbs. 3.40 - —
refined, bgs. mines ...100 lbs. 2.85 - —
bbls., mines .....100 lbs. 2.95 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.85 - —
bbls., mines .....100 lbs. 3.80 - —
10% pine tar, bgs., mines. 100 lbs. 3.65 - —
Dichloride, dms., c.l., works, frt. equald lb. .03½- —
l.c.l., same basis.....lb. .04¼- —
tankcars, same basis..... lb. .03¼- —
Dioxide liquid, com'l, cyls., works lb. .09 - —
multi unit cars, works .. lb. .0535- —
tanks, works.....lb. .045 - —
refrigeration cyls., l.c.l., dlvd. lb. .20 - .38
Monochloride, 55-gal. dms., c.l., frt. equald lb. .03½- —
l.c.l., same basis.....lb. .04¼- —
tanks, same basis.....lb. .03¼- —
washed, NF bot.....lb. .11 - —
Sumac leaf, 28%, bgs., ex-dock, short-ton.115.00 - —
ground, same basis.....ton.115.00 - —

Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk, Balto. unit-ton. .86 - —
Carteret, N. J ...unit-ton. .86 - .88
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla.. unit-ton. .91 - —
Sweet basil, California, bgs.... lb. 1.05 Nom.
imported, bgs.....lb. .95 - 1.35

T

2,4,5-T, dms., c.l., works.....lb. 1.65 - —
l.c.l., works .....lb. 1.70 - —
Isopropyl ester dms. c.l., works. lb. 1.70 - —
l.c.l., works..... lb. 1.75 - —
Talc, dom., ordinary, Calif., grd., bgs., c.l., works ton.25.00 -35.00
Vermont off color, grd., bgs., c.l. works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, grd., bgs., c.l., works ton.25.00 -30.00
l.c.l. .....ton.28.00 -35.00
99.5% 325 mesh, bgs., c.l., works ton.27.00 - —
l.c.l., works ton.30.00 -32.00
99.95%, micronized, bgs., works, ton.36.00 - —
imp Canadian, grd., bgs., c.l., mines ton.15.25 -35.00
Tallow, edible, tanks, dlvd.....lb. .06½- —
inedible, extra.....lb. .04⅞- —
fancy .....lb. .05½- —
No. 1 .....lb. .04⅝- —
special .....lb. .04½- —
sulphonated, 25%, dms., l.c.l.lb. .06 - —
50%, dms., c.l.....lb. .09 - —

Sodium Tristearate—Terpinglycol

Tamarind, W.I., bbls.....lb. .11 - .12
Tankage, animal, feeding, 9-11% ammo. bulk..unit-ton. 6.50 - —
Chicago .....unit-ton. 6.75 - —
Tansy leaves oils .....lb. .25 - .30
Tapioca flour, high grade, ex whse., bgs..lb. .14 - .20
Tar acid oil, 15-18%, dms., c.l., frt. equald..gal. .47 - .49
l.c.l., same basis....gal. .50 - .51
tanks, same basis .....gal. .39 - —
25-28%, dms., c.l., same basis. gal. .54 - .56
l.c.l, same basis....gal. .57 - .58
tanks, same basis .....gal. .46 - —
50-53%, dms., c.l., same basis. gal. .70 - .72½
l.c.l., same basis.....gal. .73½- .74½
tanks, same basis.....gal. .62½- —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tarragon herb, bgs .....lb. .45 - .50
Leaves, bgs.....lb. .65 - .70
Tartar emetic, tech. gran. or powd., bbls., kgs lb. .56 - .59
dms. .....lb. .57 - .60
USP, powd. bbls., dms. kgs lb. .61 - .62
Terpin hydrate com'l bbls., c.l lb. .24½- —
l.c.l. .....lb. .25 - .25½
NF, cryst., fib. dms.....lb. .70 - .80
powd., fib. dms.....lb. .75 - .85
Terpineol alpha (see A).
commercial, dms., c.l., South lb. .13½- —
l.c.l., South .....lb. .14 - —
extra, dms.....lb. .48 - .60
prime, dms.....lb. .36 - .45
Terpinglycol ether, dms., c.l., works. lb. .23½- —
l.c.l works .....lb. .25½- —
tanks, works .....lb. .22 - —

SODIUM
"Ethyl" sodium (metallic) is immediately available from the world's largest production, in the following forms:
BRICKS IN TINS—shipped in hermetically sealed tins.
1 lb. bricks only.
BRICKS IN DRUMS—shipped in 55 gallon drums; tare weight on returnable drums approx. 105 lbs.
280 pounds of sodium, net, consisting of 5, 12 or 24 lb. bricks.
300 pounds of sodium, net, consisting of 1 or 2½ lbs. bricks.
CAST SOLID IN DRUMS—shipped in 55 gallon drums; tare weight on returnable drums approx. 105 lbs., on single trip drums 50 lbs.
440 pounds of sodium, net.
CAST SOLID IN TANK CARS—shipped in our own fleet of special tank cars.
80,000 pounds of sodium, approx. net.
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SODIUM METALLIC
ETHYL CORPORATION
other products sold under "ETHYL" trade-marks: antiknock compounds, benzene hexachloride (technical), ethyl chloride, hydropolymer oil, salt cake.

Terpinyl Acetate—Vinyl Ether

Terpinyl acetate, extra, cns., dms. lb. .55 - .70
prime, dms lb. .55 - .60
Propionate, dms lb. 1.75 - 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm. 1.90 - —
Propionate, USP, 100 gms., bots. gm 1.90 - —
Tetrachloroethane, dms., works lb. .12½- —
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. dms., works lb. .20½- .21½
smaller, dms., works lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., works lb. .71 - —
t.c.l. lb. .72 - —
Pyrophosphate, 40%, cns., dms., dlvd lb. .714 - —
Tetraethylenepentamine, dms., c.l., dlvd., E lb. .57½- —
t.c.l. dlvd. E lb. .58½- —
tanks, dlvd E lb. .56 - —
Tetrapotassium phosphate (see Potassium phosphate)
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb 12.50 -15.00
Sulphate, 99%, bots., dlvd lb 10.50 -13.00
Theobromine, fib, dms lb. 3.75 - —
Salicylate, fib, dms lb 4.25 - —
Sodio-salicylate, fib, dms lb. 3.10 - 3.15
With sodium acetate, USP, dms. lb. 3.80 - 3.85
Theophylline, anhydrous or USP, 100-lb dms lb 4.40 - 4.45
Thiamine hydrochloride, USP, regular or ampul-type, fib, dms. kilo. 135.00 - —
Mononitrate, USP, fib, dms kilo. 135.00 - —
Thiocarbanilide, dms lb .44 - .51
Thiodiphenylamine (see Phenothiazine)
Thiophene, dms., c.l., works lb 1.93¾- —
l.c.l., same basis lb 2.00 - —
Thiourea, tech., dms., c.l., works lb. .43½- —
l.c.l., works lb. .45½- —
100-lb. lots or more,
Thorium nitrate, purified, fib, dms., works lb. 3.50 - —
Threonine dextro laevo, bots., 1-kilo lots kilo. 600.00 - —
Thyme, French, bgs. lb. .22½- .25
Spanish, bls. lb. .10 - .10½
Thymol, fib, dms lb. 3.10 - —
Iodide, NF, dms lb. 6.30 - —
Timbo root (see Cube root).
Tin chloride, stannous, anhyd., dms., works lb. .98½- .99½
Crystals, hydrous, bgs., bbls., works lb. .80¾- —
Metal lb. 1.21½- —
Oxide, dms lb. 1.23 1.24
Sulphate, stannous, bbls lb. 1.09 1.11
Tetrachloride, anhyd., dms., works. lb. .89 - .90
Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd. lb. .21 - .21½
l.c.l., dlvd lb. .22 - .22½
regular, bgs., c.l., dlvd lb. .21 - .21½
l.c.l., dlvd. lb. .22 - .22½
ceramic, bgs., c.l., dlvd lb. .21 - .21½
l.c.l., dlvd lb. .22 - .22½
metallurgical, natural granular, bgs., c.l., f.o.b. Jacksonville, Fla ton. 110.00 - —
c.l., Niagara Falls, N. Y. ton 127.50 - —
5 tons, same basis ton. 132.50 - —
ton lots, same basis ton 137.50 - —
Milled titanium dioxide $7.50 per ton higher.
rutile, non-chalking, bgs., c.l., dlvd. E lb. .23 - .23½
l.c.l., dlvd. E lb. .24 - .24½
Hydride, cns., works lb. 7.95 - 9.00
Titanium pigment, calcium-rutile, base, bgs., c.l., dlvd. lb. .08 - .08½
Titanium dioxide and pigment in bbls., ¼c. higher, Pac. coast, c.l., dlvd. L.c.l., ex whse., ½c. higher.
Tetrachloride, tech., dms., c.l., works lb. .45½- —
l.c.l., works lb. .48½- .56½
tankcars, works lb. .44½- —
Tolidin base, distilled, kgs. lb. 1.30 - —
Tolu balsam, cns., dms. lb. 3.25 - 4.25
Toluene (see Toluol).
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .32 - —
Birmingham dist. gal. .30 - —
Chicago dist gal. .33 - —
Cleveland dist. gal. .32¾ - —
Geneva, Utah gal. .26 - —
Hamilton, Ohio gal. .32 - —
Johnstown, Pa. gal. .30 - —
Lackawanna, N. Y. gal. .33 - —
Lone Star, Tex. gal. .35 - —
Lorain, Ohio gal. .31 - —
Minequa, Colo. gal. .32 - —
Philadelphia Pa. gal. .33½- —
Pittsburgh dist. gal. .30 - —
Sparrow's Point, Md gal. .32 - —
Syracuse, N. Y. gal. .30½- —
Terre Haute Ind. gal. .33½- —
Wyandotte, Mich. gal. .34¼- —
Youngstown, Ohio gal. .30½- —
Petroleum, industrial, 2° tanks, works, Albany, N. Y. gal. .33 - —
Bayonne, N. J. gal. .33 - —
Baytown, Tex. gal. .31 - —
Chicago, Ill gal. .33 - —
Detroit, Mich. gal. .33 - —
Philadelphia, Pa. gal. .33 - —
Providence, R. I. gal. .33 - —
Wood River, Ill gal. .33 - —
Tonga, 50% bark and vine, bls lb. .60 - .65
Tonka beans, Angostura, cks. lb. 1.75 - 1.80
Brazilian, Surinam, cs. lb. 1.10 - 1.25
Totaquine, 100-oz lots, cns. oz. .42 - —
Toxaphene, dms., c.l., works lb. .17 - —
truckloads, works lb. .17 - —
ton to truckloads, works lb. .20 - —
less than ton, lots, works lb. .23 - —
Triacetin, dms., c.l., dlvd. E, of Rockies lb. .42¾- —
l.c.l., same basis lb. .43¾- .45½
tanks, same basis lb. .41 - —
Tributyl citrate, tech., dms., c.l. lb. .40½- —
l.c.l. lb. .41½- —
tanks lb. .39 - —
Phosphate, dms., c.l., frt. alld lb. .51¾- .63½
l.c.l., same basis lb. .52¾- .64½
tanks lb. .50 - —
Tributylamine, dms., c.l., works, lb. .73½- —
l.c.l., same basis lb. .75 - —
tanks, same basis lb. .72 - —
Trichlorobenzene dms., c.l., works, frt. alld lb. .12½- —
l.c.l., frt. alld lb. .13½- —
tanks, frt. alld lb. .11 - —
Prices in the West 1¾c. higher.
Trichloroethane, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½- —
tanks, works lb. .11½- —
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald lb. .11 - —
dlvd. E lb. .12½- —
l.c.l., works, frt. equald lb. .11½- —
dlvd. E lb. .13½- —
tanks, works, frt. equald lb. .10 - —
dlvd. E lb. .11 - —
Tricholine citrate, 65% solut., ret. chys., works, frt adjusted. lb. 1.40 - 1.45
Tricresyl phosphate coaltar, dms., c.l., dlvd lb. .34¾- —
l.c.l., dlvd. lb. .35¾- —
tanks, dlvd. lb. .33 - —
petroleum dms., c.l., dlvd lb. .34¾- —
l.c.l., dlvd. lb. .35¾- —
tanks, dlvd. lb. .33 - —
Triethanolamine, dms., c.l., dlvd. E lb. .26¼- —
l.c.l., same basis lb. .27¼- —
tanks, same basis lb. .24½- —
Triethylamine, dms., c.l., works, frt. alld. E. of Rockies lb. .45½- —
l.c.l., same basis lb. .46½- —
tanks, same basis lb. .43¾- —
Triethyl citrate, tech., dms., c.l lb. .37½- —
l.c.l. lb. .38½- —
tanks lb. .36 - —
Phosphate dms., works, c.l lb. .38 - —
l.c.l. same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., dlvd E. lb. .23¼- —
l.c.l., same basis lb. .24¼- —
tanks, same basis lb. .21½- —
Triethylenetetramine, dms., c.l., dlvd. E lb. .48½- —
l.c.l., dlvd E lb. .49½- —
tanks, dlvd E lb. .47 - —
Trimethylamine, 25-40%, dms., c.l., works, frt equald, 100% basis lb. .38 - —
l.c.l., works, frt. equald, 100% basis lb. .38½- —
tanks, works frt. equald., 100% basis lb. .33 - —
Tripentaerythritol, bgs., c.l., works. lb. .36½- —
l.c.l., same basis lb. .39½- —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .37 - —
l.c.l., frt equald lb. .38 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli air floated, bgs., c.l., works. lb. .02 - —
double grd., bgs., c.l., works lb. .0185- —
single grd., bgs., c.l., works lb. .0175- —
Tripropyleneglycol, dms., c.l., frt. alld lb. .26¼- —
l.c.l., frt alld lb. .27¼- —
tanks, frt. allcd lb. .24½- —
Trisodium fluoroacetate (see Sodium fluoroacetate, tribasic).
Trisodium phosphate (see Sodium phosphate tribasic)
Trypsin, pharmaceutical, 1:80, dms., works lb. 5.00 - 5.50
Tryptophane dextro-laevo, fib, ctns works kilo. 165.00 - —
Tuba root (see Cube root)
Tungsten metal powd., 99.9%, dms., works lb. 7.75 - —
Turmeric root, Alleppey, bgs. lb. .22 - .22¼
Haitian, bgs. lb. .11 - .12
Madras, bgs lb. .10½- .11
Turpentine, gum and wood (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots gram 1.00 - 1.10

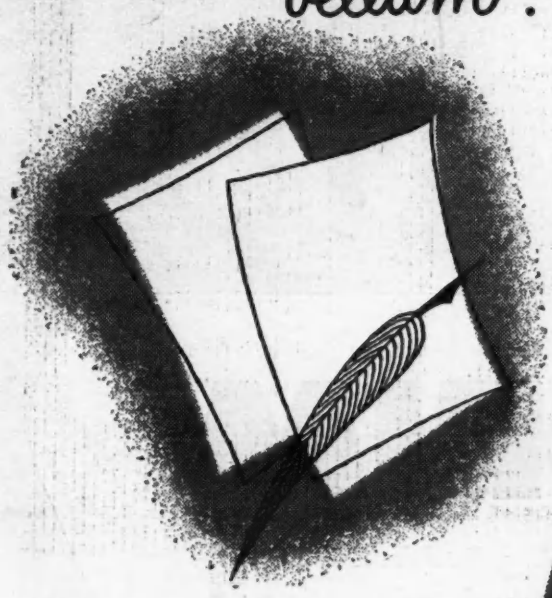
U

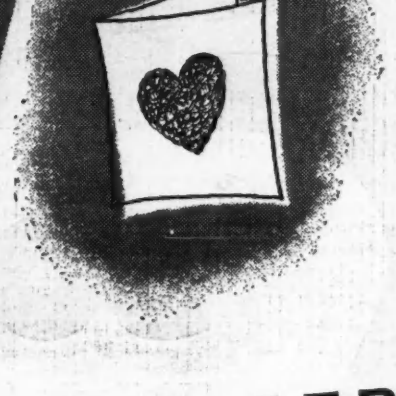
Urethane, USP, dms lb 1.50 - —
Unicorn root, false (see Helonias root)
True (see Aletris root).
Uranium oxide, black, bgs lb 2.55 - —
yellow, kgs lb 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .05½- —
l.c.l., works lb. .06 - —
44% N, bgs., c.l., 30 tons, frt alld, Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton. 142.00 - —
l.c.l., dlvd ton. 146.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars, Belle, W. Va ton. 120.00 - —
C and D grades, tankcars, same basis ton. 118.50 - —
37 grade, tankcars, same basis ton. 147.50 - —
Uva ursi leaves, bls lb. .12 - .14

V

Valerian root, Belgian, NF, bls. lb. .42 - .43
Valine, dextro-laevo, dms. works. lb. 21.00 -27.50
Valonia, beards, 40-42% tannin, bgs., ex dock ton. 85.00 - —
cups, 28-30% tannin, bgs., ex dock. ton. 64.00 - —
extract, powd., bgs., ex dock, duty extra lb. .09½- —
Vanadium pentoxide, CP, bgs., cns., contract, works lb. 7.00 - —
tech., dms., works lb 1.28 - 1.33
Vanilla, beans, Bourbon, tins. lb. 4.25 - 4.50
Mexican, cuts, tins lb. 3.50 - 3.75
whole, tins lb. 4.00 - 4.50
Tahiti, cs lb. 3.00 Nom.
Vanillin, ex eugenol, tins, 25 lbs lb 6.75 - —
smaller lots lb 6.90 - 7.25
ex guaiacol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25 lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., c.l., works lb. .20¾- —
l.c.l., works lb. .21¼- —
tanks, works lb. .19¾- —
Butylether normal, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Ether (see Ether divinyl).

vellum . . . valentines . . .





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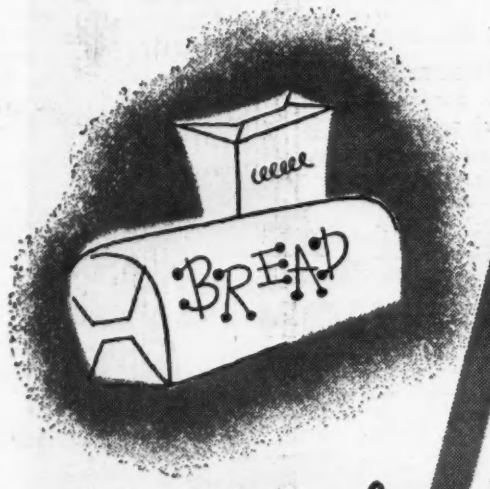

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Subsidiary of NATIONAL LEAD COMPANY

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petroleum wax with

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melting point 195-200°F

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CARDIS ONE —gives greatest wear resistant films.

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WAX
Company, Inc., Subsidiary

Sun
CHEMICAL
CORPORATION

10TH STREET AND 44TH AVENUE, LONG ISLAND CITY, N.Y.

Vinyl Ethylether—Yellow, Cadmium, Lithopone

Vinyl ethylether, tech., dms., c.l., works lb. .28 - —
t.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
t.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .30 - —
tanks, works lb. .27 - —
Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made
Trichloride (see Trichloroethane).
Pyridin, ret. dms., works lb. 1.65 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots. lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
In natural vegetable oil, 400,000 to 1,000,000 D units per gm., bots., lots of 100 billion USP units, lots of 1 billion USP units, 1,000,000 units. .025 - —
lots of less than 1 billion USP units, 1,000,000 units. .03 - —
Vitamin A, synthetic, acetate, crystalline, beads, 500,000 A units per gm. gm. .07¼- —
liquid, in oil, 1,000,000 A units per gm. 1,000,000 units. .12 - —
natural, concentrates (see Oil, fishliver).
Vitamin A palmitate, liquid, 1,000,000-1,800,000 A units per gm. 1,000,000 units. .12 - —
in oil, 1,000,000 A units per gm. 1,000,000 units. .12 - —
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12}, crystalline, gm. or 5 gm. vials gram 295.00 - —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity gm. 225.00 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1, 25 gm. bots. gram 4.50 - —
Violet methyl toner (see Blue, methylviolet toner)
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls. lb. 1.95 - 2.00
tree bark, bls. lb. .95 - 1.00
Warfarin, 0.5%, dms., 50 lb. lots, f.o.b. N. Y. or Chicago lb. 1.95 - —
25-49 lb. lots, same basis lb. 2.05 - —
5-24 lb. lots, cns., same basis lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton 104.00 - —
merchantable, bgs., ex dock ton 100.00 -101.00
extract, liquid 35% tannin, bbls., works lb. .10¾- .11
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra, lb. .11 - —
S. Africa, 62% tannin, ex-dock, duty extra lb. .11½- —
Wax amorphous (see Wax microcrystalline).
Bayberry, bgs., spot lb. .42 - .45
Bees, crude, African, bgs. lb. .48 - .50
Brazilian bgs lb. .70 Nom.
Central American lb. .55 - .56
refined, bleached, USP, bricks, lb. .69 - .71
slabs lb. .67 - .69
yellow, bricks lb. .56 - .57
slabs lb. .67 - .70
Candelilla, crude, bgs. lb. .75 - .77
refined, bgs lb. .77 - .79
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots, lb. No stocks.
North Country, No. 2, bgs., ton lots lb. No stocks.
No. 3, crude, bgs., ton lots. lb. 1.03 - 1.04
refined, bgs., ton lots. lb. 1.06 - 1.08
yellow, No. 1, Ceara, bgs., ton lots. lb. 1.30 - 1.32
Parnahyba, bgs., ton lots, lb. No stocks.
No. 2, Ceara, bgs., ton lots. lb. 1.28 - 1.30
Powdered carnauba price differentials same as powdered candelilla.
Esparto, African lb. .70 - —
Japan, bgs. lb. .22 - .25
Wax microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs. group 3, works lb. .13 - .14
less than 20,000 lbs., same basis lb. .14 - .15
black, ctns., 20,000 lbs., same basis lb. .11½- .12½
less than 20,000 lbs., same basis lb. .12½- .13½
white, ctns., 20,000 lbs., same basis lb. .24 - .25
less than 20,000 lbs., same basis lb. .25 - .26
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
less than 20,000 lbs., same basis lb. .17 - —
black, ctns., 20,000 lbs. same basis lb. .14½- —
less than 20,000 lbs lb. .15½- —
white, ctns., 20,000 lbs., same basis lb. .27 - —
less than 20,000 lbs. same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20 - —
less than 20,000 lbs., same basis lb. .20½- —
black, ctns., 20,000 lbs., same basis lb. .18 - —
less than 20,000 lbs., same basis lb. .18½- —
white, ctns., 20,000 lbs., same basis lb. .33½- —
less than 20,000 lbs., same basis lb. .34½- —
Montan, dom., refined, bgs. lb. .31 - .32
German, crude, bgs. lb. .12½- .13½
Ouricury, ref., bgs. lb. .73 - .75
Paraffin (see P).
Spermaceti, blocks, cs. lb. .26 - .29
cakes, cs. lb. .27 - .30
Sugar cane, crude, imp. lb. .43 - —
refined, dom., works lb. .75 - .80
spot lb. .77½- .82½
White lead (see Lead.. white).
White pine bark, rossed, bls. lb. .17 - .18
White precipitate, USP powd., dms., lb. 5.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh bgs., c.l., works, ton 6.00 -10.00
smaller lots, works ton 6.50 -15.00
wet-grd., bgs., c.l., works ton 16.00 -30.00
smaller lots, works ton 21.00 -35.00
Paris white, bgs., c.l. ton 24.00 -31.00
t.c.l. ton 25.00 -40.00
Precipitated, bgs., c.l. ton 18.00 -20.00
t.c.l. ton 25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
thin, natural, bls lb. .17 - .19
rossed, bls lb. .19 - .22
Ginger (see Snake root, Canada).
Indigo root, bls lb. .30 - .31
Yam root, bls lb. .16 - .17
Witch hazel leaves, bls lb. .19 - .20
Woodflour, 40 mesh, bulk, c.l., works, East ton 32.00 - —
t.c.l., same basis ton 36.80 - —
60 mesh, bulk, c.l., same basis ton 37.00 - —
t.c.l., same basis ton 42.00 -55.00
80-100 mesh, bulk, c.l., same basis ton 45.00 -50.00
t.c.l., same basis ton 51.75 -57.50
Woodflour in bgs. extra, returnable.
Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs. lb. .14 - .16
Levant, bgs lb. 4.25 - 4.50
Wormwood leaves, bls lb. .35 - .45

X

Xanthorrhiza root, bls lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., l.c.l., works, frt. equald. lb. .25 - —
45°-47°C. dms. c.l., same basis, lb. .212 - —
t.c.l., same basis lb. .215 - —
tanks, same basis lb. .199 - —
fractions, over 7° C., b.r., except meta, dms., c.l., same basis gal. 1.31 - —
t.c.l., same basis gal. 1.34 - —
tanks, same basis gal. 1.20 - —
meta fraction, over 7° C., dms., c.l. same basis gal. 1.46 - —
t.c.l., same basis gal. 1.49 - —
tanks, same basis gal. 1.35 - —
Xylidins, mixed, dms. lb. .39 - .50
Xylol, coaltar, industrial, tanks, works
Bethlehem, Pa. gal. .33 - —
Birmingham district gal. .30¼- —
Chicago district gal. .33½- —
Cleveland district gal. .33 - —
Geneva, Utah gal. .25 - —
Hamilton, Ohio gal. .32 - —
Johnstown, Pa. gal. .31 - —
Lackawanna, N. Y. gal. .33 - —
Lone Star, Tex. gal. .25 - —
Lorain, Ohio gal. .31 - —
Minequa, Colo. gal. .34 - —
Philadelphia, Pa. gal. .33 - —
Pittsburgh district gal. .30 - .38
Sparrows Point, Md. gal. .33 - —
Syracuse, N. Y. gal. .30½- —
Terre Haute, Ind. gal. .35 - —
Wyandotte, Mich. gal. .34¼- —
Youngstown, O. gal. .30½- —
Petroleum, indus., tanks, Albany, N. Y. gal. .33 - —
Bayonne, N. J. gal. .33 - —
Baytown, Tex. gal. .31 - —
Chicago, Ill. gal. .33 - —
Philadelphia, Pa. gal. .33 - —
Providence, R. I. gal. .33 - —
Wood River, Ill. gal. .33 - —

Y

Yara yara, cns. lb. 2.25 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
80 Int'l B units per gram, 100-lb. dms lb. .52 - —
200 Int'l B units per gram, 100-lb. dms. lb. .56 - —
300 Int'l B units per gram, 100-lb. dms lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .35 - —
Barium chromate yellow price differentia in other States and city zones are those for chrome yellow below.
Benzidin, AAA, bbls., dlvd. lb. 1.91 - —
AAOT, bbls. lb. 2.06 - 2.15
Cadmium, CP, all shades, bbls., frt. alld., E. of Rockies lb. 2.05 - —
lithopone, all shades, bbls., frt. alld., E. of Rockies lb. 1.20 - —
Cadmium yellows, Los Angeles, and San Francisco, ex whse., 1c. per lb. higher.

Advance Bulletin

DEWEY AND ALMY

Chemical Company

FILE NUMBER

Specification
DAXAD 11KLS

DATE

January, 1953

ANNOUNCING FOR THE FIRST TIME
a new DAXAD designed specifically for latex paint use

DAXAD 11KLS

PROPERTIES: This new potassium salt is a dry powder with the sodium content held to a rigid specification of not more than 0.25% and a greatly reduced sulfate content.

(Heretofore a potassium salt DAXAD has been available only in solution form — DAXAD 12K.)

USE: As a dispersing agent in the formulation of latex paints, recognizing the industry need for minimum sodium and sulfate ions to control efflorescence.

PLANT LOCATION: Cambridge, Massachusetts

WRITE FOR SPECIFICATIONS AND PRICE SHEET

ORGANIC CHEMICALS DIVISION:

High styrene copolymers
Polyvinyl acetate
Dibutyl maleate
Dibutyl phthalate
Dioctyl phthalate
Diisooctyl phthalate
Diisobutyl adipate
Dispersing agents

DA

DEWEY and ALMY CHEMICAL COMPANY

Cambridge 40, Massachusetts

ORGANIC CHEMICALS • CRYOVAC PROCESS FOR FOOD PACKAGING • SEALING COMPOUNDS • ADHESIVES • RUBBER PRODUCTS • CONSTRUCTION PRODUCTS • TEXTILE PRINTING PRODUCTS • SHOE PRODUCTS • SODA LIME

Yellow, chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island..lb. .31 - —

Dlvd Ala., Fla., Ga., La (Shreveport, 1¼c. higher); Miss., N. C., S. C., Penna., Dallas, Tex., 1¼c higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex. 2c higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago

Hansa 10 G, bbls. same basis as chrome lb. 2.15 - —
G pigment, bbls lb. 1.91 - —
Iron oxide, natural, bgs., c.l., works..lb. .0141- .0250
t.c.l., works lb. .0166- .0275
French type, bgs., c.l.,. lb. .04½- —
t.c.l. lb. .04¾- —
Peruvian type, bgs. c.l lb. .0163- —
pure, bgs., c.l., works .. lb. .10 - —
t.c.l., works lb. .1025- —
Mercury oxide, bbls., 1,000-lb. lots. lb. 4.15 - —
smaller lots.....lb. 4.17 - —
Ocher, American golden, bgs., works lb. .01¼- .02¾
Zinc (chromate), bbls., dlvd lb. .25 - —
basic, dlvd. ..... lb. .30 - —
Yellow dock root, bls ..... lb. .18 - .19
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls ..... lb. .32 - .33
Yohimbine hydrochloride, bots., tins. oz. 4.75 5.25

Z

Zein, bgs., 30,000 lbs. lots, works lb. .33 - —
1,000-lb to 30,000-lb lots, works lb. .40 - —
smaller lots, works ..... lb. .43 - —
Zinc acetate, tech, bbls, dms, works. lb. .27 - —
NF, VIII, dms ..... lb. .33 - —
Borate, bgs, c.l., dlvd E ... lb. .192 - —
t.c.l., dlvd E ..... lb. .202 - —
Carbonate, tech., rubbermakers, bgs., c.l., works lb. .14½- —
t.c.l., works..... lb. .15 - —
Chloride, NF, gran., dms ... lb. .42 - —
precipitated, powd, dms lb. .26 - —
solution 50%, dms, c.l., works. 100 lbs. 4.75 - —
t.c.l., works .....100 lbs. 5.35 - —
tanks, works.....100 lbs. 4.10 - —
tech., fused, dms, c.l., works. 100 lbs. 9.60 - —
t.c.l., works .... 100 lbs. 10.00 - —
gran, fib, dms., c.l., works 100 lbs. 10.60 - —
t.c.l. works 100 lbs. 11.00 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., over 1,000 lbs., works lb. .523 - —
under 1,000 lbs., works lb. .543 - —
Dust, pigment, bbls., c.l., works. lb. .15½- —
t.c.l., works ..... lb. .16½- —
Fluoride, bbls., works ..... lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld lb. .21½- —
t.c.l. ..... lb. .22 - .37½
Iodide, NF, jars ..... lb. 4.92 - —
Laurate, bbls ..... lb. .45 - .46
Metal, slabs, E. St. Louis ..... lb. .12½- —
Napnthenate, liquid, 8% Zn, frt. alld lb. .23½- —
10% Zn, dms., frt. alld .. lb. .23½- —
Oleate, fused, bbls ..... lb. .36 - —
Oxide, pigment, American process lead-free, bgs., c.l., dlvd lb. .1423- —
t.c.l., dlvd ..... lb. .1525- —
leaded 35%, bgs., c.l., dlvd. lb. .1470- —
t.c.l., dlvd ..... lb. .1570- —
50%, bgs., c.l., dlvd.... lb. .1485- —
t.c.l., dlvd..... lb. .1585- —
French process, com'l green seal, bgs., c.l., dlvd..... lb. .16 - —
t.c.l., dlvd..... lb. .17 - —
red seal, bgs., c.l., dlvd. lb. .15½- —
t.c.l., dlvd..... lb. .16½- —
white seal, bgs., c.l., dlvd. lb. .16½- —
t.c.l., dlvd..... lb. .17½- —
USP, ctns., c.l., dlvd..... lb. .17½- —
t.c.l., dlvd..... lb. .18½- —
Zinc oxide, Pac. coast prices 1c. higher; bbl. prices ¼c higher than bgs.
Phenosulphonate, NF, gran., dms. lb. .39 - —
powd., dms ..... lb. .42 - .49
Resinate, precip., dms., frt. alld. lb. .26¾- —
lb. .26¾- —
Silicofluoride, bbls., works.... lb. .12 - .13
Stearate, tech., USP, ctns., c.l. lb. .37 - —
ton, lots ..... lb. .36 - —
less ton lots ..... lb. .39 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld... 100 lbs. 7.30 - —
t.c.l. same basis 100 lbs. 7.70 - —
flake, 25½% Zn, bgs., c.l., works..100 lbs. 6.55 - —
t.c.l., works .....100 lbs. 6.90 - —
powdered, 36% Zn, bgs., c.l., frt. alld 100 lbs. 9.25 - 9.95
t.c.l., same basis 100 lbs. 10.00 - 10.70
Zinc sulphate in bbls., 40c higher.
USP, gran., dms..... lb. .26 - —
Sulphide, pure, bgs., c.l., dlvd lb. .2550- —
fluorescent, fib., dms., less than 1,000 lbs., works lb. 1.10 - 1.90
phosphorescent, fib., dms., less than 1,000 lb. lots, works. lb. 1.85 - 2.50
Undecylenate, dms..... lb. 2.25 - 2.50
Yellow (see Yellow, zinc).
Zinc-ammonium chloride, bgs., c.l., works .100 lbs. 9.05 - —
t.c.l., works .....100 lbs. 9.45 - —
Zinc-cadmium sulphide, fluorescent fib., dms., under 1,000 lbs., works lb. 2.10 - 2.90
Zinc-calcium resinate, dms., c.l., works lb. .1180- .1360
t.c.l., same basis..... lb. .1220- .1400
Zinc-formaldehyde sulphoxylate, basic, dms., c.l. lb. .25½- —
t.c.l. ..... lb. .26 - .41½
normal, dms., t.c.l., works lb. .52 - —
Zircon, (G), granular, ogs., c.l., works lb. .03¼- —
5 tons to c.l., works... lb. .03¾- —
1 ton to 9,999 lbs., works lb. .03¾- —
500 lbs. to 1,999 lbs., works, lb. .04 - —
less than 500 lbs., works lb. .06½- —
milled, bgs., c.l., works.....lb. .04½- —
5 tons to c.l., works ... lb. .04¾- —
1 ton to 9,999 lbs., works lb. .04¾- —
500 lbs., to 1,999 lbs., works, lb. .05 - —
less than 500 lbs., works lb. .07½- —
Zircon (G) in barrels, ¼c. higher.
Zirconium acetate 13% as ZrO₂, c.l., 30,000 lbs., minimum works lb. .23 - —
Carbonate, basic, cake, bbls., works lb. No prices.
Hydride, ens., works.....lb. 7.25 -11.50
Nitrate, dms., ex whse.....lb. 4.50 - 7.00
Zirconium oxide, 98½%-99% white grd., bbls., or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5 tons, works lb. .44½- —
1 ton to 9,999 lbs., works lb. .45 - —
500 lbs to 1,999 lbs., works lb. .45½- —
lump, electric-fused, bgs., less than 500 lbs., works lb. .43 - —
milled, electric-fused, bgs., c.l., works lb. .59 - —
5 tons, works lb. .59½- —
1 ton to 9,999 lbs., works lb. .60 - —
500 lbs. to 1,999 lbs., works lb. .60½- —
less than 500 lbs., works lb. .63 - —
Oxychloride, cryst., ctns., 5 tons, works lb. .32¼- —

Lead Pigment Makers

—Continued from page 3

methods or quantities in which the products were sold or delivered.

They also must discontinue the use of any planned common course of action between or among any two or more of respondents or between any one or more of respondents or other parties hereto, to do or perform any of the following things:—

Common Price Establishment Opposed

1. Establish, fix or maintain prices, terms or conditions of sale for lead pigments or adhere to any prices, terms or conditions of sale so fixed or maintained.

2. Quote or sell lead pigments at prices calculated or determined in whole or in part in accordance with a zone delivered price system; or quote or sell lead pigments in accordance with any other plan or system which results in identical quotations or prices at points of quotation or sale or to particular purchasers by any two or more sellers using such a plan or system, or which prevents purchasers from finding any advantage in price in dealing with one or more as against another seller.

3. Quote or sell lead pigments at specified differentials over any particular quotation or quotations of pig lead prices.

4. Quote or sell lead pigments at specific price differentials based upon differing sizes or types of containers or based upon differing quantities in which such products are sold or delivered.

5. Enter into, employ or continue in effect any agency or consignment contract, plan or arrangement under which the resale prices or selling practices of any dealers or distributors are controlled or directed.

6. Issue to dealers suggested resale prices, dealers' price schedules, or list prices for the purpose of inducing dealers to observe uniform resale prices and refrain from price competition among themselves.

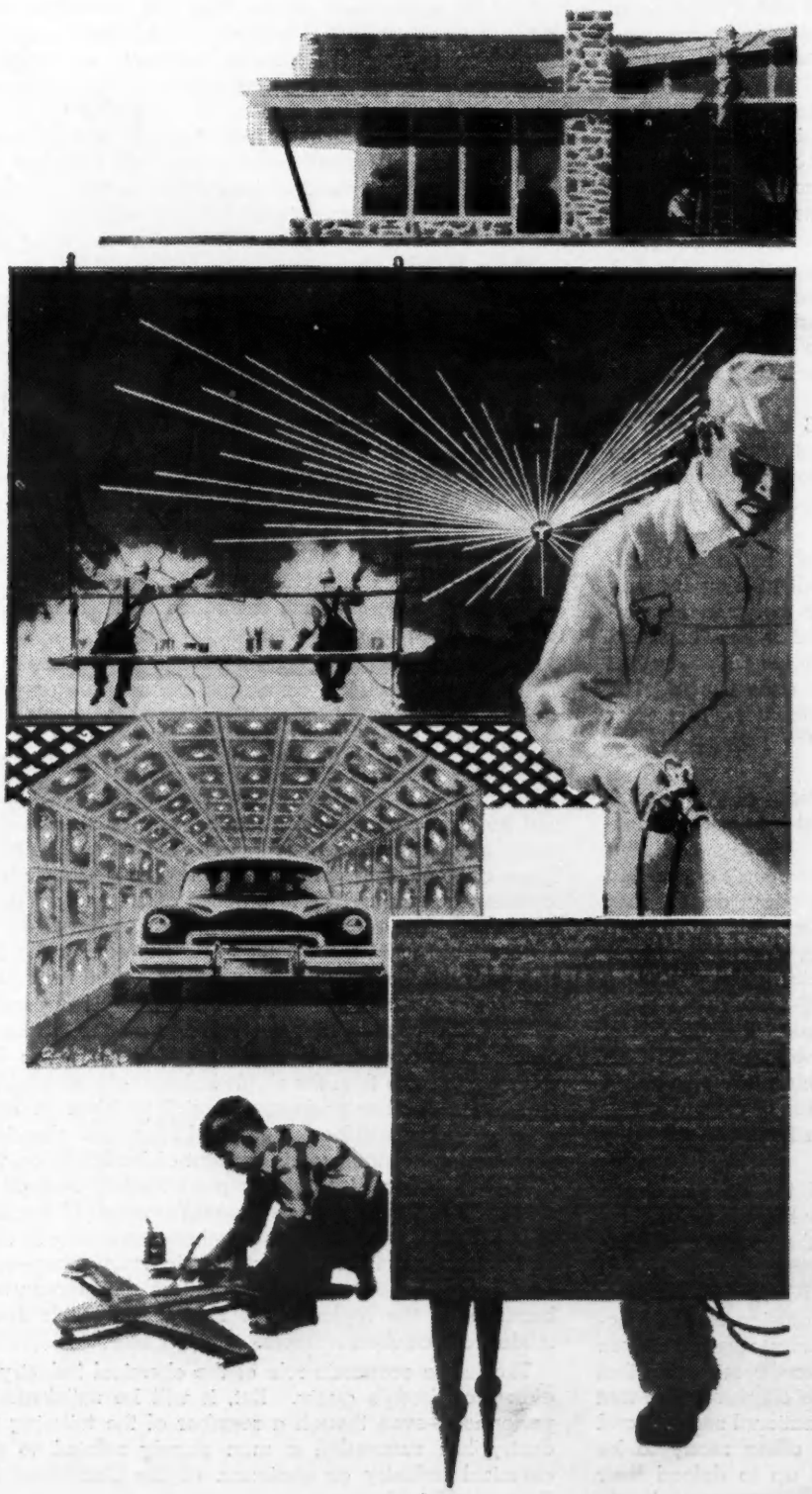
Bona Fide Agreements Permitted

The commission made it clear that nothing in the order prohibited bona fide agreements or other relations between any of the respondents and its subsidiaries or affiliates, relating to the sole and separate business of those firms, when not for the purpose or with the effect of unlawfully restricting competition.

Commissioner Lowell B. Mason filed a dissent to the order and Commissioner Albert A. Carretta did not participate in the case for the reason that oral arguments had been heard prior to his appointment to the commission.

In his dissenting opinion, Commissioner Mason challenged the power of the commission to act to prevent price parallelism and further acquisitions of properties of firms competing in the production and sale of commodities.

THERE'S A TOUCH OF **TENNESSEE** IN THE **FINISH**



TENNESSEE supplies many basic materials for finishing operations . . . building products for the inside and outside finishes of homes . . . ferro alloys for removing undesirable impurities and improving the properties in finishing basic and specialty steels . . . many chemicals for textile finishing; special chemicals for fine lacquers, varnishes and plastics . . . even heavy duty industrial finishes contain products from TENNESSEE.

Yes, TENNESSEE furnishes a wide variety of products for industry throughout the 48 states. That's why TENNESSEE is known from coast to coast as an industry serving all industry.

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PRODUCTS & CHEMICAL
Corporation
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Regulatory Bureaucracy Upheld

Four recent rulings of the Supreme Court of the United States are "musts" as sources of information for businessmen who find it difficult to the verge of impossibility to comprehend the why and wherefore of many aspects of governmental functioning as a regulator of business practices. Those decisions were denials of reviews of the powers of the Federal Trade Commission and the National Labor Relations Board, which had been sought by petitioners on allegations that the powers in question did not exist through statutorial provision to the extent to which they had been exercised, if at all.

One petitioner, against which the Federal Trade Commission had issued a cease and desist order with reference to allegedly misleading sales practices, contended that the salesmen to whom the charges applied were not its employees but were "independent contractors." It was contended also that the commission had no authority to proceed against individual officials of the respondent but must act only against the corporation. An additional contention was that the FTC order was too broad and embraced acts which had never been done.

The other three rulings had to do with the National Labor Relations Board. One of the cases had to do with refusal to bargain with a union because no plant election had been held to choose it. The board's argument was that the representative character of the union was clearly obvious.

The process of serving an NLRB subpena was at question in another case, the contention being that no subpena should issue in a case without merit under the revised Taft-Hartley act, and refused to comply with the court order.

The other case was concerned with action by an individual employee charging personal injuring by way of an alleged breach of a contract between his employer and a union. Because the labor board refused to hear his charges, he had sought to get action against both parties to the contract in the state courts. The courts, holding that the matter was wholly one for NLRB handling and fully within the powers of that board, threw out the suit.

In each of the four cases, the actions of the government agencies involved were upheld by the lower federal courts.

It does not follow from the supreme court's action that governmental regulatory agencies may do as they please. But, there appears to be very little restriction upon them: the laws under which they respectively function do not afford much immunity, at least against prosecution. One of the current FTC actions is attempting to subject to statutory penalization the practice of buying a goodly portion of a corporation's needs from one supplier. There may be something in the so-called "antitrust laws" which limits the size of an order that a single seller may get, but such a limitation certainly is not specifically set.

The upholding of the powers of the Federal Trade Commission and the National Labor Relations Board by the supreme court emphasizes the pertinence—impertinence might be the more accurate designation—of the recent outburst of the acting FTC head in condemnation of the public expression of opinion on the functioning of what one euphemistically referred to as "quasi-judicial agencies." There is a threat therein that some manner of contempt, far more offensive than that so common in areas of probing in national security and organized crime, may be in the offing ready to be pulled down upon those who set up to defend their position in quasi-judicial actions by extra-quasi-juridical argument comprising more than a little characterization of the prosecution—or persecution—as without everything, from justification to constitutionality to ethics of any sort.

It is stretching even the qualified designation "quasi-judicial" quite some to apply it to an agency which, more or less with the sanction of legislative something in the realms of constitutional guaranties, can be and usually is complainant, prosecutor, judge, and jury, and frequently functions in a quasi-legislative role by reading into a statute proscriptions which are not apparent to the general run of legal practitioners—and which lay a costly task of deletion upon those to whom they are applied.

The recently proposed study of the goals of the "antitrust laws" and the highways and byways by which they are approached may well be extended to encompass all laws which are administered by agencies of a quasi-something nature.

Future of Chemical Industry

The role of the chemical industry in the national economy is, in its social, as well as its commercial aspects, a most important and a well-performed one. It is not strange, then, that the industry has received from the National Production Authority a well-deserved commendation for its plans to expand and has been given privileges of rapid tax amortization sufficient to make its own efforts reach to the completion of about 72 percent of its established goals. The tax privileges, of course, give the industry at least an assistant's role in the political areas of the national economy. In that circumstance, it can expect critical observation of its performances from various angles. It must also be fully aware of the fact that such reductions, or deferments, in the amount of federal revenue as may come as a more or less direct result of its tax privileges must be met by means of other levies or offset by equivalent reductions in governmental spending. The industry is, therefore, faced with the task of doing everything possible to assist in the effecting of savings in the cost of governmental functioning.

The industry's field for such efforts is an expansive one, as the list of materials involved in its purposed growth (see last week's OPD, page 56) clearly indicates. The several scores of individual and group products should afford opportunities in that direction. It is equally true that unforeseen developments and discoveries—to say nothing of emergencies and expediencies—may lay upon the industry new demands in technical and operative areas, which will change the whole picture. The history of the chemical industry over the past half-century presents much assurance that whatever is to be done will be done well.

It is fitting, under the peculiar conditions of today and the greater expectable conditions through the several years of the chemical industry's planned production to recognize that the past is a source of little other than experience in relation to its assistance for the future.

It is, moreover, equally necessary to know whether and how progress is to be made. The goals and the paths must be adequately analyzed and understood. These are not times, in such momentous undertakings, for blind adherence to the ofttimes disastrous policy—do it now. The amazing developments in the fields of physics hold more than a theoretical threat for the future of applied chemistry. The growing need for better supplies of nutrition for the increasing number of people to be fed demands that such things as the physico-chemical conversion of food proteins to fibers be weighed in more than the single balance of profitability. Nearby is another socio-commercial problem in economics:—What will be the effect of the newer chemical enhancement of the protein content of foodstuffs on the older occupation of providing plant-foods? And close alongside of that is the government's urging of farmers to increase their production of animal feedstuffs; in turn to be supplemented with antibiotic substances—and complicated by the conversion of more sheep to mutton because of the replacing of sheepswool with fibers made from chicken feathers.

The future economic role of the chemical industry is almost anybody's guess. But, it will be satisfactorily performed—even though a member of the tailoring industry has succeeded a man closely related to the chemical industry as chairman of the Committee for Economic Development.

For the Bookshelf

TECHICAL COOPERATION WITH UNDERDEVELOPED COUNTRIES. By Philip C. Newman, John E. Uhlmann, Robert S. Aries. Paper; ii+97 pages. 6 x 9 in. New York: Chemonomics, Inc.

This book is offered as dealing with the role which industry, and particularly the chemical process industry will have to play in the activity designated by its title. The authors regard that task as "nothing less than refashioning of whole economics" and they endeavor to approach it objectively. They state the object sort of subjunctively:—"If a better material life is to be the democratic answer to communism, then all efforts, agricultural, industrial, and social, must be directed toward that end." The text provides ideas and suggestions and analyses with reference to those fields, comprising history, plans, and organizations. It provides examples in experiences which should be informative and instructive to those who can learn from what others have gone through.

Washington Talks

—*Continued from page 5*

"shadow plants" that can be thrown into production quickly if the need arises. It points out that end-items are more seriously affected by obsolescence than are the facilities that produce them. As an illustration, when an inventory of 5,000 tanks becomes totally obsolete, it means a loss of at least $1,000,000,000, but the cost of keeping the tank plant facilities up to date would be a small fraction of that amount.

FDA Seeking Medical Head

The Food and Drug Administration is in a bit of trouble. It can't find any medical doctor of sufficient competence and administrative ability to take the job of medical director of the agency. Though several persons have been approached and appealed to, the job has remained vacant since last August.

The reason is simple—the job doesn't pay enough to attract the type of man which FDA and industry would like to see in the job. By law, the agency can pay only up to $10,800 to its medical director, which would mean too much of a financial sacrifice to any person which the agency feels competent enough to fill the post. By contrast, medical officers of most of the drug manufacturers doing similar work make from $20,000 to $25,000 a year in many instances.

Both the Veterans Administration and the Public Health Service are permitted to pay as high as $14,800 annually to their medical officers, by a special provision written by congress into the laws of these agencies. Probabilities are that the drug manufacturers will join with FDA and ask congress that a similar privilege be granted to FDA.

Congressional Probe Plans

When congress finally gets through with its organizational chores, which usually takes about ten days or two weeks, and gets down to the task of legislating, there will be plenty of headlines emanating from the committees as a result of the investigations thus far planned. For the first time, the Republicans are in a position to really dig into the doings of government and from all indications now apparent, they plan to make the most of the opportunity.

Among the investigations scheduled for the first few months of 1953 will be a house probe into State department personnel policy. This will not be a hunt for Communists, but an attempt to find why so many career men left foreign service, and why other able men were not promoted. The senate judiciary subcommittee wants information on administration of the Alien Property Office, which has been accused of paying political appointees exorbitant salaries as officers of seized companies.

Also slated to continue is the house ways and means subcommittee probe of the Internal Revenue Bureau, and the Chelf committee investigation of the Department of Justice. The latter committee will now be headed by a Republican, Rep. Keating of New York, who is expected to bring former Attorney General McGrath back into the spotlight. The senate banking committee will take another look at the Reconstruction Finance Corporation in an investigation which may bring about abolition of the agency.

Other probes may include an investigation of Point Four spending, Mutual Security Agency and Defense Materials Procurement Administration; probes into Communism by the senate security and the house un-American committees, and an investigation of the defense and Post Office departments.

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Heavy Chemicals

Market trend slanted downward last week, the index declining from 95.96 in the preceding period to 95.86. Lower prices were established for lead, silver and zinc as a result of a slower demand while silver was advanced as a result of short stocks and a demand above normal for this season of the year. The Department of Commerce set a second quarter quota for exports of production tin plate for use in food and petroleum packaging abroad at 138,000 short tons an increase of 19.125 tons over the first quarter.

Heavy chemical shipments while fair do not appear to have reached the dimensions attained last November. Trade sentiment remained optimistic but it was admitted the buying movement has not gained the momentum generally expected. Barring nickel salts, the overall supply situation looked adequate to meet requirements and buyers realizing this condition are inclined to limit purchases to actual wants. According to trade reports, there have been some cutbacks in production including chlorine and sulphuric acid. The former applies to electrolytic caustic soda also. Specialties like the fluorides, glauber's salt and salt cake are not in too free supply. Muriatic acid while reported slightly tight in some producing quarters was in free supply in others. Calcium chloride was one of the specialties that showed more action. This chemical is subject to weather conditions with demand up or down accordingly. Bauxite moved in fairly large quantities. There was no unusual demand for carbon tetrachloride and the slack agricultural demand has increased the supply of copper sulphate. Glass plants called for enough potassium carbonate to keep stocks snug. Sodium antimoniate was priced lower.

Paper production based on a percentage of sixday capacity was 95.8 percent for the week ending January 17, according to the American Paper and Pulp Association. This compared with 84.1R in the preceding week and 98.0 for the corresponding week in 1952.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.

Ammoniacal Liquor—November production amounted to 3,941,779 pounds, compared with 4,008,884 in October and 4,140,100 pounds in November, 1951, according to the Bureau of Mines. Sales during November were placed at 2,505,839 pounds, against 2,535,268 in the preceding month and 3,833,700 pounds in November, 1951. Stocks on November 30 were 2,400,634 pounds, compared with 2,277,697 on October 31 and 2,037,370 pounds on November 30, 1951.

Bauxite—Market steady with demand good. Sales reported at $9.50 to $10 per ton in bulk at mines, depending upon the quantity desired. Stocks fair but not excessive.

Calcium Carbide—Demand described as fair with stocks available for prompt shipment at former prices. Production of commercial in October was placed at 56,315 tons, compared with 47,947 in September and 71,011 tons in October 1951.

Calcium Chloride — Buying interest broadened last week for shipment to out of town sections where the weather was more severe than in the local area. Supply conditions so far have been kept comfortable.

Chlorine—Demand continued good but not urgent. Spot material was available where withdrawals were not full and the overall supply appeared to be comfortable, temporarily at least.

Cobalt Acetate—Production in October was placed at 19,040 pounds gross weight by the Bureau of Mines. September output was 15,474 pounds. October shipments were 9,550 pounds, against 5,130 in September. Stocks on October 31 amounted to 32,757 pounds, compared with 23,267 on September 30.

Copper Sulphate — Situation did not change much last week. There was no improvement in the agricultural demand. Industrial shipments continued satisfactory while export sales were held up pending the issuance of licenses for the first quarter of 1953. Meanwhile, supplies are increasing and immediate shipments remain available at former price levels.

Glauber's Salt — Producers' inventories continued relatively low giving the market a rather tight appearance. October output was placed at 16,590 tons, compared with 15,504 in the preceding month and 18,542 tons in October 1951.

Lime—In October 1952, domestic sales of 750,457 tons of open-market lime, the highest during the year, were 5 percent more than in the previous month, according to reports by producers to the Bureau of Mines. Building, refractory, chemical and other industrial uses increased over the previous month, whereas a decrease was noted for agricultural use. The breakdown shows the chemical and other industries bought 344,943 tons of quicklime and 62,993 tons of hydrated lime during October.

Potash, Caustic—Demand not so active last week with supply position rather easy. Hand to mouth sales appeared to be about the best that could be noted.

Potassium Carbonate—Just about the reverse compared with caustic potash. Demand from glass plants was active particularly those which make television tubes. Some producers were down on inventories of both calcined and hydrated and were shipping direct from production.

Potassium Chlorate—Stocks not excessive but seem adequate to meet the requirements of match factories and other consumer uses. Prices unchanged and firm.

Soda Ash—Market position firm with production adequate to meet industrial requirements. Demand for both light and dense ash holding close to the early December level with a moderate increase reported in some producing quarters.

Soda, Caustic—Consumer demand while considered good is being readily supplied by producers. There appeared to be plenty of stock around with first hands fully capable of meeting both prompt and future requirements. The only variation of prices was confined to the export market where competition is keen to secure business.

Sodium Antimoniate—Priced lower, following the reduction in antimony oxide. Producers quote 27½c. per pound for carlots and 29c. for l.c.l. delivered.

Sodium Phosphate—Production of meta in October was placed at 4,412 tons, compared with 3,512 in September and 4,839 tons in October, 1951. Tetra cutput in October was at the highest monthly level on record. The total stood at 9,412 tons, against 7,144 in the preceding month and 6,796 tons in October, 1951. Acid pyro production in October showed 937 tons, compared with 902 in September and 1,114 tons in October, 1951. Tripoly output in October was also at a new high monthly level at 43,212 tons, against 38,774 in the previous month and 28,828 tons in October, 1951.

Sodium Silicate—A new high monthly production record was established in October. The total for soluble silicate glass, liquid and solid anhydrous totaled 59,997 tons, compared with 44,948 in September and 45,882 tons in October, 1951.

Sodium Sulphate—An increase in production was recorded in October. The total stood at 20,025 tons for anhydrous refined, compared with 17,417 in September and 19,763 tons in October, 1951.

Sodium Sulphide—Concentrated production in October totaled 2,246 tons, compared with 1,820 in the previous month and 2,757 tons in October, 1951. Output of other grades including crystals and liquid was 1,658 tons, against 1,679 in September and 1,882 tons in October, 1951.

Sulphur—Shipments of native sulphur in October were placed at 433,315 long tons by the Bureau of Mines. September shipments amounted to 409,626. Apparent sales during October were 447,143 long tons, compared with 395,117 in the preceding month. Shipments of recovered sulphur were 21,536 long tons, against 29,706 in September. Apparent sales in October amounted to 21,314 long tons, compared with 29,906 in September.

Acids

Chromic—Moving in fair volume at former prices. It was stated that platers are

Price Trends

Advanced

Silver, 2c. per oz.

Reduced

Lead, ½c. per lb.
Quicksilver, $3 per flask.
Sodium antimoniate, 2½c. per lb.
Zinc, prime western, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 18, 1952
95.86	95.96	95.89	97.69

(For Current Prices see page 9)

For Late Market Developments, See Page 4

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not inclined to buy in excess of actual wants which suggests that consumer inventories are not large. Stocks continued available for immediate shipment.

Hydrofluosilicic—Production has kept the supply position comfortable. Miscellaneous inquiries, including brewery, cement and ceramic requirements, are reported satisfactory and prices have remained steady but unchanged.

Muriatic—Supply appears to have reached the comfortable stage. Some producers are not too flush with stocks at present while others are in a favorable position to take on additional orders calling for immediate delivery.

Oxalic—Small lot sales are holding at about the same level as a month ago with round lot transactions the exception according to some of the producers. Stocks have continued available for immediate shipment.

Sulphuric—Stocks appear to be increasing and reports were current in the trade that production has been cutback in some instances in an effort to hold the market in balance. Demand is described as good but it could be better.

Nonferrous Metals

Aluminum—Primary production in November continued at the same rate as during October, the Aluminum Association, announced. Continuing power curtailments due to low water conditions in the Pacific Northwest and the South held the November output to 149,277,906 pounds, compared with 154,624,138 pounds in October, a longer month. November 1951 production totaled 144,491,926 pounds. Shipments of aluminum sheet and plate by members of the Association's Sheet Division were 96,706,462 pounds for November as against 105,962,651 pounds for October, and 78,178,185 pounds in November 1951. The Association's foil division reported shipments during November of 6,677,685 pounds. Previous month's shipments were 8,106,545 pounds, and shipments during November 1951 were 6,511,106 pounds. November shipments of permanent (and semipermanent) mold rough castings (except pistons) during November totaled 3,505,969 pounds and $1,991,095; as against 3,463,656 pounds and $1,981,917 for the month of October.

Cobalt — Consumption of cobalt increased for the fourth consecutive month to establish a new monthly high in October and was 12 percent greater than in September, according to the Bureau of Mines. Consumption was 1,141,000 pounds in October. The gain resulted chiefly from greater utilization of cobalt in cobalt-chromium-tungsten-molybdenum alloys.

Production of cobalt metal in the United States was 57 percent greater in October than in September but imports declined 56 percent; sales were 17 percent smaller. Production of cobalt oxide was 84 percent less than in September and was the smallest since December, 1951; imports dropped 100 percent and sales decreased 7 percent. Production and shipments of cobalt salts increased 92 and 74 percent, respectively. Output and shipments of cobalt driers were up 39 and 65 percent, respectively. Production and shipments (cobalt content) of cobalt concentrates were 176,353 and 108,646 pounds, respectively, in October, compared with 175,601 and 98,108 pounds, respectively, in September. Imports of cobalt into the United States were 55 percent less in October than in September. Receipts of metal and white alloy (crude) decreased 56 and 48 percent, respectively. Imports of oxide in October were only 185 pounds compared with 35,000 pounds in September.

Copper — Output of secondary copper and brass in October increased for all major groups of producers and totaled 87,146 short tons, compared with 73,271 tons in September, according to the Bureau of Mines. Output of refined copper from scrap by the primary producers, 14,417 tons, was greater than in any month

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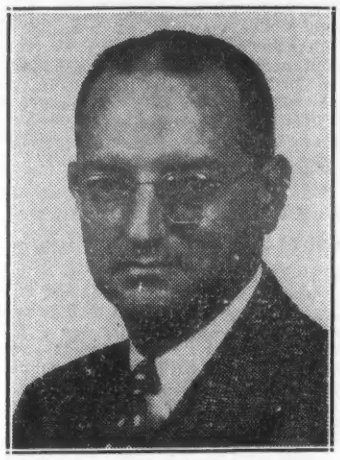

William P. Gage, vice-president in charge of manufacturing of the Shell Chemical Company since 1941, will become president and a director of the Grace Chemical Company, New York, a wholly-owned subsidiary of W. R. Grace & Co., on February 1 (OPD, (1/12/53).

since June, 1951. Consumption of scrap in October by this group, 22,356 tons, was greater than in any month since June, 1951, except March, 1952, but the scrap consumed in October contained less low-grade material than that used in March. The primary producers had the greatest percentage increase in production in October, 33 percent; the secondary smelters were second with 22 percent and the brass mills next with 13 percent.

Lead — Price was reduced ½c. per pound last week, establishing the market at a 14c. basis in New York and .1380c. at St. Louis. The decline appeared to be the result of a slow consuming demand and independent of the London market, which has been a factor in the price trend since free trading was resumed October 1, 1952.

Nickel—Consumption of nickel in October was 2 percent smaller than in September but imports were 12 percent larger, according to the Bureau of Mines. Consumption of nickel in the United States by 148 companies which accounted for about 95 percent of the nickel in all forms used in 1951 was 18,531,081 pounds in October, which indicates that total consumption was 19,506,000 pounds compared with 19,970,000 pounds in September. Imports of nickel into the United States in October comprised 12,126,122 pounds of metal, 2,823,440 pounds of matte, 1,858,862 pounds of oxide and oxide sinter, and 23,150 pounds of scrap from Canada.

Quicksilver—Lower prices were established last week for spot material. The range was from $215 to $217 per flask, depending upon the seller and quantity. Heavy arrivals have eased the supply position and consumer demand has relaxed a bit.

Silver — Priced higher at 85¼c. per ounce, an increase of 2c., and the first revision since July, 1952. The advance was attributed to a tighter supply and a consuming demand that is holding at a level above normal for this period of the year.

Zinc—Priced lower at 12½c. a pound for prime western East St. Louis basis. The downward revision was said to be an attempt to stimulate buying interest which has not been on an extensive scale since the turn of the year. Like lead, the price reduction appeared to be independent of fluctuations in the London market.

Davison Develops New Type Humidity Indicator

A new type humidity indicator, designed for use in the dehydrated packaging of military materials and other products which must be kept in storage safe from moisture damage, known as a "bull's-eye," and intended to be assembled as an integral part of the container itself, has been announced by the Davison Chemical Corporation, Baltimore, Md. It is already in use in the packaging of certain of the currently produced missiles.

Lawren Makes Rosenfeld Chemical Division Head

The Jules Lawren Corporation, Los Angeles, has announced that Edwin N. Rosenfeld has been appointed head of the chemical division. Mr. Rosenfeld was formerly purchasing agent and export manager with the L. H. Butcher Company, Los Angeles, and more recently with the Carnegie Chemical Manufacturing Company, also of Los Angeles.

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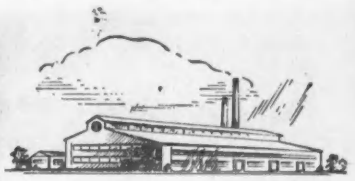

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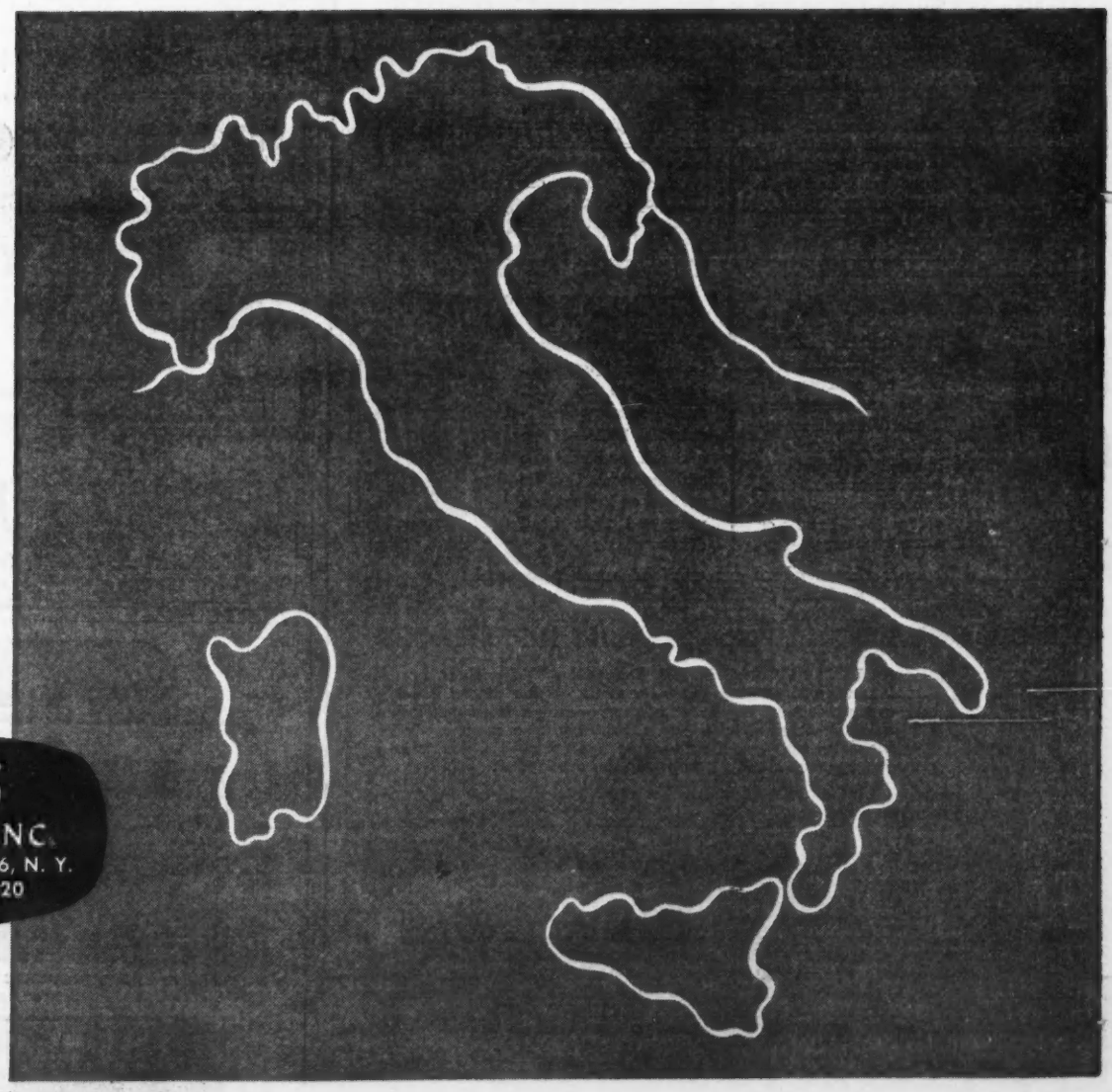

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ACS North Jersey Section Scientific Conference Jan. 26

The North Jersey section of the American Chemical Society will hold its fifth annual scientific conference January 26 at the Essex House, Newark, N. J. Dr. Farrington Daniels, national president of the society, will discuss "Our Future Sources of Energy" in the principal address at the evening sesssion. Dr. John Lee, of Hoffmann-La Roche, Inc., chairman of the North Jersey section, will preside.

Advances in four major fields of chemical science and technology will be reported in forty-four technical papers during the afternoon session, according to Dr. Cecil L. Brown, of he Standard Oil Development Company, who is general chairman. A safety forum is also scheduled for the afternoon sesssion. "Management, the Technical Man and Safety" is the topic of a panel discussion which will be part of a safety forum in the afternoon. Among the forum speakers will be Dr. T. W. Nale, medical director of the industrial medical and toxicology department of the Union Carbide & Carbon Corporation. Dr. Jack H. Thelin, of he Calco Chemical Division of the American Cyanamid Company, will preside.

The industrial and engineering group, under the chairmanship of Joseph Stewart, of the Standard Oil Development Company, will hear nine reports on such topics as alcohol purification, insulating papers for high voltage cables, and solvent extraction processes. Dr. Clayton S. Myers, of the Bakelite Company, will be chairman of the polymer group, which has scheduled papers on new developments in the chemistry of rubber and plastics. Dr. Harold B. MacPhillamy, of Ciba Pharmaceutical Products, will conduct the session of the organic discussion group, at which reports will be presented on detergents, a new antibiotic and the hormone Compound F. The analytical group, led by William J. Mader, of Merck & Co., will be told of improved techniques for purposes ranging from irradiation of vitamins to determination of air contaminants.

Hooker Appoints Personnel For New Michigan Plant

Bjarne Klaussen, executive vice-president of Hooker Electrochemical Company, Niagara Falls, N. Y., has announced several new appointments for the new caustic soda-chlorine plant now under construction at Montague, Mich.

J. A. Tardiff has been appointed works manager, J. T. Rutherford has been named production superintendent, and G. E. Duckwall has been made plant engineer. These men will assume their new responsibilities later in 1953 when construction of the new plant is complete. In the meantime they will continue in training for their new jobs.

Simultaneously Mr. Klaussen announced that H. B. Young, works manager of the Niagara plant, will also be in charge of operations at Montague, and of the Hooker-Detrex plant at Ashtabula, Ohio, with headquarters at Niagara Falls.

Dewey & Almy to Forsake Products of Dipped Rubber

Hugh S. Ferguson, president of the Dewey & Almy Chemical Company, Cambridge, Mass., has announced that in order concentrate its efforts within the rubber specialties division on government orders for meteorological balloons, the company has decided to withdraw from the manufacture of dipped rubber consumer and industrial items upon completion of orders now on hand.

The market for these items is limited, said Mr. Ferguson, and the nature of the business does not fit in with the company's plans for future growth.

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Chemstrand Corp. to Open Charlotte, N. C., Sales Office

William G. Luttge, general sales manager of the Chemstrand Corporation, Decatur, Ala., has announced that a sales office will be established at Charlotte, N. C., on February 1, to be headed by Masten R. Dalton.

The office will be opened at 221 South Church Street. Mr. Dalton, who also joins Chemstrand on that date, will be the firm's southern representative, reporting to the company's sales headquarters in New York.

Philippine Malaria Control Aid Funds Given by MSA

The government of the Philippines has been granted funds by the Mutual Security Agency to extend its malaria control program during 1953, it was announced last week by the MSA Small Business Office. The authorization (PA No. 92-00-201-3012) is limited to the total of $456,000, and the contracting period extends to May 31, 1953.

The agency said that the following commodities will be required:—agricultural pesticides (mostly 75 percent wettable DDT); anti-malaria drugs (chloroquine, camoquin, and chloroquine hydrochloride); and certain other mechanical equipment and technical books.

It is expected that purchases will be handled by the Philippine Council for United States Aid, and that invitations to bid will be issued at a later date.

Zinc Recovery From Scrap Reported Lower During '51

Secondary zinc recovered in 1951 from purchased scrap and residues totaled 314,377 short tons, representing a decrease of 4 percent from the 326,030 tons recovered in 1950, according to the Bureau of Mines. In comparison, mine production of recoverable zinc in the United States was 671,526 tons valued at $244,435,464 in 1951 and 623,375 tons valued at $177,038,500 in 1950. Values were calculated at the average weighted price for all grades of refined zinc sold by producers, which was 14.2 cents in 1950 and 18.2 cents in 1951.

Recovery of zinc from zinc-base scrap decreased to 147,919 tons in 1951 from 167,012 in 1950, whereas recovery of zinc from copper-base scrap increased 5 percent or to 165,403 tons. This increase was caused chiefly by the brass mills, which used only about 1,500 tons more of copper-base scrap in 1951 than in 1950, but the zinc content of the scrap used was 5,000 tons greater in 1951. The lowered recovery of zinc from zinc scrap may be attributed in part to the general nonferrous scrap shortage and to the decreased use of slab zinc in galvanizing.

Details on the production of secondary zinc and zinc alloy products in the United States in 1951, as compared to 1950, follow. Gross weight is in short tons.

	1951	1950
Redistilled slab zinc	48,669	66,970
Zinc dust	29,754	27,507
Remelt spelter[1]	4,454	7,243
Remelt die-cast slab	5,596	12,647
Zinc-die and die-casting alloys	4,919	5,233
Galvanizing stock	198	354
Rolled zinc	3,474	3,589
Secondary zinc in chemical products	40,760	43,693

[1]Contains small tonnages of bars, anodes, etc.

Comet Adds Ross

Murray R. Garfinkel, president of the Comet Chemical Company, Inc., Newark, N. J., has announced that Alexander A. Ross has become associated with him in the conduct of Comet. Mr. Ross was previously a production executive in the industrial finishes industry.

Perkin-Elmer Corp. Names Blandy, Benington, Hoagland New Directors

The election of William H. P. Blandy, George A. Benington, and Hudson Hoagland to the board of directors of The Perkin-Elmer Corporation, Norwalk, Conn., has been announced by Richard S. Perkin, president.

Mr. Blandy has been president of the Health Information Foundation since his retirement from the Navy in 1950. Mr. Benington is president and director of the Mutual Chemical Company of America and a director of the Mutual Lime Company and the Plastic Film Corporation. Dr. Hoagland is executive director of the Worcester Foundation for Experimental Biology.

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Agricultural Chemicals

BHC technical and the wet and dry dusts were available at lower prices with demand definitely slow. The market has been exceedingly quiet over the last quarter of 1952 with scarcely enough demand to actually test prices. Contract withdrawals of the basic fertilizer chemicals have slowed down. The fact that mixers are heavily stocked with finished fertilizer is the primary cause of the slowdown. The call for ammonium sulphate shipments has dipped temporarily and, while there is a possibility of a temporary shortage later in the season, there appears to be enough imported material available to prevent a serious scarcity. Domestic potash shipments were off a bit and a similar condition was noted in superphosphate. The latter was obtainable on spot here and in Baltimore without commanding unusual attention. Some nitrogenous process tankage was offered in the spot market, something rare in this section over the past few months. Trade reports indicate that several former buyers of this material have shifted to castor pomace where the scarcity has not been as severe as in nitrogenous tankage. There is no surplus of anhydrous ammonia in this area although it was stated that stocks might be procured at some out of town points. Contract consumers are getting regular shipments of nitrogen solutions but additional quantities are difficult to secure. There were no new developments in the markets for packing-house byproducts. Some additional sales of castor pomace were recorded at the former price. Fish meal remained quiet.

Price Trends

Advanced

None

Reduced

BHC technical, .0030c. per gamma unit, dry dust, .0035c. per gamma unit, wet dust, .0030c. per gamma unit.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 18, 1952
112.93	112.93	113.13	113.31

(*For Current Prices see page 9*)

Fertilizer Materials

Ammonium Sulphate—November production of coke-oven sulphate was placed at 152,629,239 pounds by the Bureau of Mines. October output amounted to 156,713,149 pounds and in November 1951 production showed 149,147,000 pounds. Sales during November totaled 148,028,444 pounds, compared with 159,619,445 in the preceding month and 165,326,800 pounds in November 1951. Stocks on November 30 were 68,370,444 pounds, against 63,943,129 on October 31 and 84,263,949 pounds at the close of November 1951. Market conditions were not as active last week as formerly noted. Mixers are reported to be heavily stocked with finished fertilizer temporarily and are not taking as much sulphate as expected. The situation may right itself when the Spring movement to farms starts rolling late next month or early March. It was stated that imported sulphate has tended to prevent any serious shortage.

Bone Meal—Slight pickup in demand was reported in the domestic steamed grade for fertilizer use. The price was unchanged at $75 per ton in bags, carlots, works.

The Uruguayan Government has taken several steps to promote more widespread use of fertilizers. One is a subsidy program, which is expected to be reduced gradually. Another measure prohibits the exportation of bone meal and packing-house waste which contain sufficient phosphoric acid to provide an economic source of fertilizer. The third step relates to promotional programs and the publication of various studies on plant foods. Sales promotion is handled mostly by four or five manufacturers, who maintain a small staff to advise farmers and ranchers on fertilizer requirements.

Castor Pomace—Former buyers of nitrogenous process tankage have taken a lot of castor pomace during the past few months. Sales are still being made at $37.25 per ton in bags carlots works.

Dried Blood—Prices held at the lower level established in the preceding week. Trading continued relatively quiet with sellers naming $6.50 per unit of ammonia at New York and Chicago.

Fish Meal—Imports of fish meal for feed and fertilizer during September, 1952, amounted to 17,050 tons compared with 8,219 tons for the same month of 1951. During the first nine months of 1952, fish meal imports totaled 168,643 tons compared with 77,860 tons for the same period in 1951, according to the Department of the Interior.

Lime—Bureau of Mines states that 20,541 tons were used in agriculture in October, 1952. The total included 7,424 tons of quicklime and 13,117 tons of hydrated lime. The amount used in September was 25,203 tons and in October, 1951, the total used was 21,102 tons.

Nitrogenous Process Tankage — Stocks were available at $5 per unit of ammonia on spot in the local area and, according to trade reports, the same price was named at Norfolk, Virginia. Demand was quiet. It was stated that the prolonged shortage of this material has caused several buyers to substitute castor pomace.

Phosphate Rock—Contract withdrawals were off a bit last week owing to a larger stock-pile at acidulating plants. Foreign demand was quiet with exporters stating the supply of high grade Florida rock tight.

It is reported that geologists from a United States company have discovered extensive deposits of phosphate rock in Falcon, Venezuela, in the Riecito Mountains. About 15,000,000 metric tons of high-quality rock are estimated to be available for immediate exploitation and 5,000,000 more in reserve. With sulphur from Cumana, Sucre, and a sulphuric-acid plant planned at Maracay, production of phosphatic fertilizers could be undertaken.

Potassium Muriate — Contract withdrawals of domestic potash slowed down last week as mixers are cramped for storage space. Farmers are not taking on stocks of mixed fertilizer and there is some congestion of mixed goods.

Sodium Nitrate—No shortage of stocks. Movement about in line with other years at this time. Prices unchanged.

Superphosphate — Supply situation easier with spot material available here and in Baltimore. Some mixers have announced they cannot take any more stocks as storage bins are overflowing. The movement of mixed fertilizer to farms is anxiously awaited.

Tankage—No unusual activity last week but sellers sustained prices at the late decline. New York named $6 per unit of ammonia and Chicago $6.75.

Los Angeles Market

Los Angeles.—No price changes were uncovered in the market last week. Inventories have continued to increase as weather conditions have delayed spreading operations. Ammonium sulphate supplies expected to be adequate for future orders but there is some question regarding availability of nitrates. Ruling prices were:—Ammonium nitrate— $85.30 per ton, domestic, f.o.b. Los Angeles. $86.84 per ton for Canadian material, f.o.b. Los Angeles.

Ammonium phosphate—$77.14 per ton in bags, 16/20 grade, f.o.b. Los Angeles. Both Canadian material.

Ammonium sulphate—$55.03 per ton in bags, domestic, f.o.b. Los Angeles. $3 less in bulk. Canadian material same.

Blood meal—$6 per unit of ammonia at source. Bone meal—$69-$75 per ton, imported, 1/65 meal, c.i.f., Los Angeles Harbor. Domestic—$90-$92 per ton, f.o.b. Los Angeles.

Calcium nitrate—$48 per ton, 15½ percent nitrogen, c.i.f., Los Angeles Harbor.

Castor pomace—$27.25 per ton f.o.b. Los Angeles.

Fish meals—$135.60 per ton, 60 percent tuna, bulk, f.o.b. San Pedro. $149.60 per ton, nominal, 65 percent sardine, f.o.b. Los Angeles or Monterey. $158.20 per ton, nominal, 70 percent Canadian herring, f.o.b. Seattle.

Pesticides

No significant improvement could be noted in the inquiry for insecticides. The late reduction in prices of DDT attracted attention and moderate sales were reported on the basis of 23c. Estimates place government purchases around 9,000,000 pounds. This should relieve the top-heavy condition of DDT although it was stated the buying may cover a rather prolonged period. The continued inactivity in BHC has made it difficult to quote prices accurately. The market is nominally around 1c. per gamma unit with dry dust quoted at 1½c. and wet dust .02½c. gamma unit both on a delivered basis. Some producers expressed the opinion that the bottom has been reached but admit that the most encouraging feature at present is the approach of the Spring season. Whether the liquidation of 3-5-40 cotton dust has been completed or not, however, is still problemetical.

For Late Market Developments, See Page 4

Thurston Appoints Simms Executive Vice-President

William R. Thurston, president of the Thurston Chemical Company, Joplin, Mo., has announced the appointment of Robert C. Simms as executive vice-president.

Prior to this appointment, Mr. Simms had served as a vice-president responsible for company expansion. He is also a member of the board of directors. Mr. Simms joined Thurston in 1951 as assistant to the president. For twenty-four years prior to that he had been associated with the Naco Fertilizer Company, New York.

DuPont Will Inaugurate Program To Advance Teaching of Chemistry

A new program intended primarily to assist and advance the teaching of chemistry in American colleges and universities will be begun by E. I. duPont de Nemours & Co., Wilmington, Del., next fall, it has been announced. Thirty-two institutions will receive new fellowships or grants for the next academic year as the result of a comprehensive survey by the company that revealed the need for such assistance.

In one plan under this program, grants have been made to nineteen four-year private colleges to help them maintain their outstanding performance in the training of students majoring in chemistry. In the other, the company has awarded post-graduate fellowships to thirteen universities to improve the teaching of chemistry to undergraduates.

Zonolite Vice-Presidencies To Prouty, Boone, Kelley

Dayton L. Prouty, Daniel J. Boone, and Joseph A. Kelley have been named vice-presidents of the Zonolite Company, Chicago, it has been announced by Andrew T. Kearney, president.

Mr. Prouty, whose office is at Dearborn, Mich., has been with the company sixteen years. He is manager of the north central division, which includes the company's plants in Dearborn; Pittsburgh, Pa.; Wilders, Ky (Cincinnati), and Chicago.

Mr. Boone, who joined Zonolite in 1944, is manager of the company's merchandising division, with headquarters at the firm's Chicago offices. Mr. Kelley, with Zonolite six years, manages the company's southern division, with mining and processing headquarters at Travelers Rest, S. C.

Consolidated Mining Reports Several Shifts in Personnel

The Consolidated Mining & Smelting Company of Canada, Ltd., Montreal, has announced several staff changes. A. Olaf Wolff has been appointed to the newly created position of administrative assistant at the company's head office in Montreal. R. Erin McAllister, formerly western sales manager of the chemical and fertilizer sales division at Vancouver, B. C., has been appointed assistant manager of the division, succeeding Mr. Wolff. K. T. Seaborne, formerly prairie sales manager of the same division, has been appointed Mr. McAllister's successor at Vancouver.

Pitts. Plate Ups Boyd

The appointment of Richard M. Boyd as general traffic manager for the Pittsburgh Plate Glass Company has been announced by John A. Wilson, vice-president. Mr. Boyd had previously served as traffic manager for the firm's glass division. As general traffic manager, he will head traffic operations in the glass, fiber glass, merchandising and paint and brush divisions.

Hooker Adds Two

The Hooker Electrochemical Company, Niagara Falls, N. Y., has announced that Edwin S. Dojka has joined the company as a draftsman in the engineering department and that Jerold Perreault has become associated with the organization as a chemical engineer in process study.

Trade Briefs

George N. Burns, of the Chase Bag Company, recently spoke to Western Michigan College students on "Multiwall Bags, Construction and Uses."

Monsanto Chemical Company's plants in Texas City, Tex., and Trenton, Mich., have won the president's trophies in the company annual safety competition.

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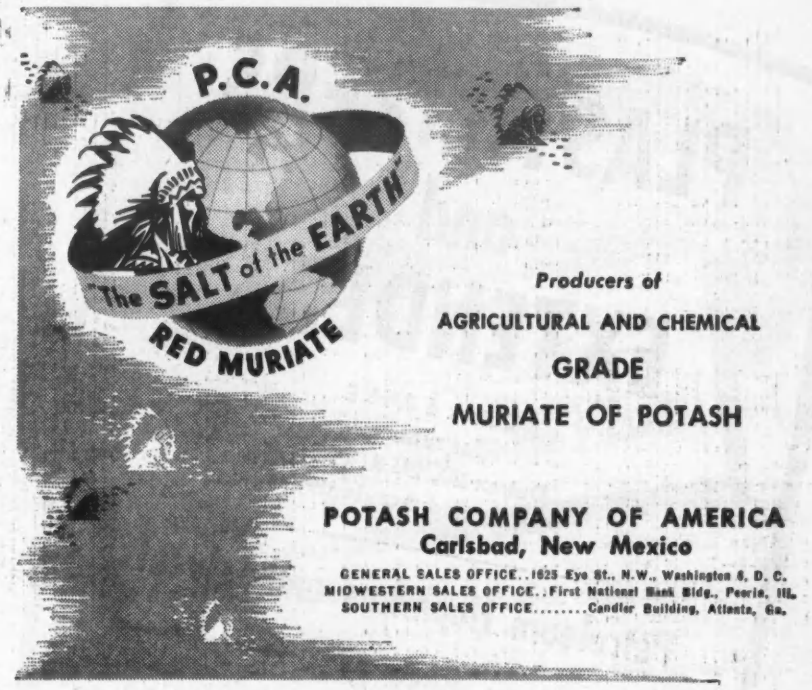

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Plants at Neville Island, Pa., and Anaheim, Cal

P-49

Petroleum Derivatives

An active week for business but a quiet one for price changes was noted in the petroleum market. Calls for aromatic solvents stayed on the heavy side as they have for some time past. Demand was particularly great for toluol and ran ahead of the industry's capacity to produce the material. Heavy government demands on top of active industrial requirements kept the material in the critical category. Xylol remained in easier supply, although production was not far above demand.

Other low boiling aromatics were to be found in satisfactory supply, offering little difficulty to consumers attempting to fill orders. Aliphatic solvents were available in ample amounts and moved in good volume in response to an active consumer inquiry. The market for liquefied petroleum gases showed continued firmness, as demand increased in all consuming areas except those experiencing warmer weather than normal. Prices for propane were firmer in the midwest area, but other quotations in that area and elsewhere were maintained evenly. Reserves of propane and butane showed the effect of recent heavy demands, and stood at greatly reduced levels. No serious shortages, however, appeared likely.

Waxes held the improved position gained in recent months with a sizable volume of orders and a firm price structure. Production was maintained at levels allowing satisfactory shipping dates. Petrolatum and white mineral oils remained in ample supply and were without special feature. Production was unhampered and prices held at previous quotations. Demand for petroleum sulphonate was good and was satisfied from an ample production.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month
104.13	104.13	104.13

(*For Current Prices see page 9*)

Solvents and Diluents

Cleaners' Naphtha — Manufacturers offered ample amounts of the material from current production to cover market needs. Demand during the week showed no substantial increase over the preceding one, although the trend of recent months has been toward slightly stepped up requirements. Prices remained steady, with reports from the trade indicating that neither increases nor decreases would be forthcoming in the immediate future.

Mineral Spirits—A well sustained consumer interest took most of the material made available from current production. Manufacturers reported a rate of demand equaling that of thirty to sixty days ago and saw little indication of a decline in consumption. Consumers were able to obtain their requirements without noting any pinch in supplies of the material and found quotations unchanged from those in effect previously.

Rubber Solvent — This material, like other solvents, was to be found in a comfortable position during the past week. Production remained adequate for the demands of consuming industries. The comfortable supply position of the material was expected to be maintained without difficulty in the immediate future, as no factors to impede production were noted in the trade.

Toluol—The first quarter of the year began with a continuing pinch felt in supplies of toluol. Military requirements showed no decline from the high levels reached during the last months of 1952 and were increasing according to some observers in the trade. The Korean hostilities have necessitated taking large quantities for aviation gasoline and for nitration material. These requirements were large enough to bring about the pinch felt by industrial consumers of the material when attempting to obtain their requirements. The situation offered no immediate possibility of easing short of a sudden truce in the Korean fighting.

Xylol—The production levels of the past week were sufficient to satisfy the needs of the market, although the margin between production and consumption left little excess material on the market. Production output was restricted to some extent as facilities were turned to the scarcer toluol. Little change in the evenly balanced status was expected in the immediate future, although any factors easing the tightness of toluol would indirectly affect the availability of xylol. Prices were unaffected, remaining at their former levels.

Lighter Fractions

LPG's—Demand for propane, butane and mixtures ran heavy, although no more than normal for the season. Actual demand rates varied with the locality, some areas experiencing much warmer weather than usual and making less call for liquefied petroleum gases as a result. Producers reported drawing heavily on reserves and most were shipping only to contract customers. Shipping schedules were maintained with few revisions, delays generally amounting to a period only of days. Prices held firm as previously quoted, and in the Group 3 area tended to run one cent a gallon higher for propane. No severe shortages have materialized, reports indicating that reserves would be large enough to prevent any extreme pinches during the first quarter of the year, barring any sudden extreme weather.

Waxes

Microcrystalline — Demand during the past week held to the approximate levels of the past thirty days without setting any new high marks. Industrial requirements have currently run ahead of the recent past and have taken a greater percent of manufacturers' output. Reports in the trade saw no reason to expect any decrease in the immediate future. Prices were maintained as quoted previously.

Paraffin—Like other grades, paraffin waxes showed a continued strong demand during the past week. Manufacturers found orders holding up well in volume and reported shipping most of their current production. Consumers were able to obtain their requirements without delay, however, as supply conditions were still in good balance. Prices made no changes and were reported as showing an even trend for coming weeks as well. Export demands were only moderate and showed no indication of making permanent gains.

Miscellaneous

Crude Oil—Imports of crude oil and petroleum products for the week ended January 3 totaled 1,103,200 barrels per day, according to American Petroleum Institute figures. This figure exceeded the total for the four weeks ended January 3, which was reported as 1,094,100 barrels per day. The figures indicated the continuation of the recent trend of imports to exceed the million barrel per day figure.

Daily average production of crude oil and lease condensate for the week ended January 3 was 6,515,950 barrels, according to the same source. The industry produced 24,306,000 barrels of gasoline, 2,975,000 barrels of kerosene, and 10,955,000 barrels of distillate fuel oil.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended January 3, totaled 268,280,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 268,710,000 barrels for the preceding week, this represents a decrease of 430,000 barrels comprising an increase of 584,000 barrels in stocks of domestic crude and a decrease of 1,014,000 barrels in stocks of foreign crude.

Los Angeles Petroleum Market

Buying interest was maintained at a good level throughout the week as supplies continued adequate with prices firm. Lacquer diluent quoted 16.7c. to 20.7c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles Basin area. Cleaning solvents, including Stoddard, quoted 15.7c. to 19.7c. per gallon, same basis.

Butane remained in limited supply position with quotations unchanged at 4.8c. per gallon, tankcars, f.o.b. Los Angeles, and buying interests at a good level. Propane stocks were adequate to meet present requirements with postings at 4.3c. per gallon, same basis.

For Late Market Developments, See Page 4

Ethyl Fuel Technology Section Realignment Told

Reorganization of the fuel technology section of the sales department of the Ethyl Corporation, New York, has been completed with the appointment of three new regional fuel technologists, Malcolm P. Murdock, vice-president in charge of sales, has announced.

Jack D. Fuller, who has specialized in refinery technology work with Ethyl since 1942 and has served as the company's central region fuel technologist for the past four years, now heads up the fuel technology section as manager. The three newly-assigned technologists are C. Alon Cole, for the eastern region at New York; Fred P. Robinson, for the central region at Chicago, and Martin L. Alspaugh, for the southern region at Tulsa, Okla. Herbert N. Peters continues as western region fuel technologist with headquarters at Los Angeles.

Deep Rock Ups Campbell To Gen'l Sales Manager

John G. Campbell has been named general sales manager for the Deep Rock Oil Corporation, Tulsa, Okla., according to W. J. Carthaus, vice-president in charge of manufacturing and distribution. Mr. Campbell has been head of Deep Rock's supplies and economics division since joining the company in 1948. In his new role he will supervise and coordinate functions of Deep Rock's jobber sales, merchandising, sales control, and supplies and transportation departments.

California Research Elects Lyman Executive Vice-Pres.

Election of A. L. Lyman to the newly-created position of executive vice-president has been announced by the board of directors of the California Research Corporation.

At the same time it was announced that A. H. Batchelder had been elected a vice-president and director of this Standard Oil Company of California subsidiary. Mr. Batchelder will be general manager of the Cal Research laboratories at Richmond, Cal.

Indiana Standard Ups Bristol

Merwin Bristol has been promoted from senior attorney in the law department to assistant general counsel of the Standard Oil Company (Indiana). His office will continue to be at the company headquarters in Chicago, Ill.

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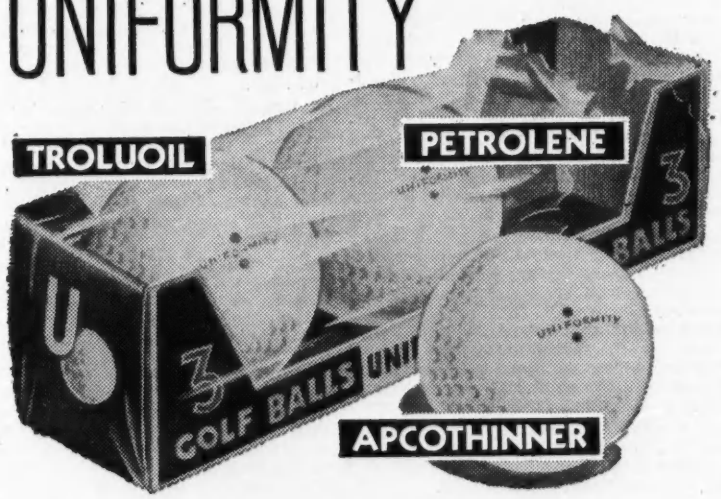

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Coal Chemicals

Changes allowable under a new amendment to S.R. 13 late last week affected the price schedules for creosote, crude coaltar, and coaltar pitch.

The light oils continued to move along in a high degree of production and consumption. Toluol remained in tight supply, and showed every sign of holding fast in that same position for a good part of this year. Demand for coaltar benzol was excellent. Producers moved all of their output as fast as they made it. Consumers were looking to have their orders for material moved ahead of the anticipated date, rather than moved back to a later date, as they so frequently wanted early last year. Xylol production and demand have found an excellent balance. There was no great pinch for xylol. But, the demand was there and some tightening was noticed.

The tar acids have not shown a flurry of activity since the beginning of the year. However, they were still moving at pretty much the same pace as they had been. The cresols and cresylic acid were in approximately the same conditions. In the market for phenol, natural material was also moving along at the same pace as the other tar acids. One producer said that synthetic phenol has been moving a little better since the first of the year. It was felt to be partially the result of the lower prices and partially the result of the yearend inventory problem getting behind consumers.

Pyridin was in tight supply. No particular changes in the availability of this material were in sight, and none were anticipated.

The American Iron and Steel Institute announced that the operation rate for the week ending January 17 was scheduled to be 99.4 percent of theoretical capacity. This was equivalent to 2,240,000 tons of ingots and castings, compared with actual production of 2,213,000 tons the previous week, and 2,236,000 tons one month ago. The amount of steel scheduled to be poured in the past week was higher than ever before.

Basic Products

The Office of Price Stabilization announced in amendment 14 to S.R. 13 that coaltar processors were authorized to increase the ceiling prices of their products by an amount averaging six percent. The order was made effective Monday, January 12.

OPS said that the increase was required because higher labor, material, and other costs had resulted in a decline in the industry's earnings below the minimum considered "fair and equitable" under the Defense Production Act.

Under the amendment, tar processors can determine the amount of increase permitted by calculating six percent of their revenue received from the sale of products covered by S.R. 13 during the 12 months period ended April 30, 1952. The amount may be spread among the various products covered, subject to a maximum increase of 10 percent in any one ceiling price.

At the same time OPS issued amendment 14, it also authorized an increase averaging six percent in beehive oven coke, in amendment 15 to S.R. 13.

Benzol—There was no significant change in this market during the past week. Producers were moving all of their output right from production. It was said that the demand for coaltar benzol would keep the market in quite a strong position for quite a while.

There was no further price activity last week. Some additional advances in benzol schedules were still anticipated. But there was no sign of when the movement would come. Producers were still waiting to see what competition was going to do.

According to production figures from the Bureau of Mines, cokeoven operations yielded 14,824,304 gallons of all grades of benzol, except motor grade, during November. In comparison, the corresponding output in October was 15,021,259 gallons, and November, 1951, production was 14,426,200 gallons.

The calendar totals for all grades, other than motor benzol, up to and including November was 137,991,247 gallons while the similar output in 1951 was 157,746,700 gallons.

November output of motor benzol by cokeoven operators was 194,886 gallons, compared with October output of 187,339 gallons, and November, 1951, production of 447,200 gallons.

Coaltar—An increase of 1.4c. per pound by one producer made the crude tankcar range 14c. to 15.4c. per gallon. Refined was quoted by various producers between 15c. and 16½c. per gallon in tanks.

All producers haven't moved yet. But, others were considering the changes allowable under amendment 14 to S.R. 13.

Creosote—One producer advanced the schedules of crude material late last week. Spot prices were effective immediately and contract prices were to become effective in 30 days. The 2c. advance for crude made the tankcar price between 20c. and 22c. per gallon. The solution, 80 percent, became 18.8c. to 20.68c. per gallon.

Cokeoven production of creosote during November was 5,740,532 gallons, compared with October output of 4,741,167 gallons, and November, 1951, production of 3,947,800 gallons, according to the Bureau of Mines.

The cumulative amount produced during the first eleven months of last year was 37,716,982 gallons, compared with 39,134,300 gallons during the similar period of 1951.

Cresols—Demand for these tar acids has kept to approximately the same levels that it was at the finish of the year. Producers were anticipated, or rather hoping, for an increase in consumer requirements before long. However, it was still a little early to judge whether the month was going to be a good sales period or not.

Cresylic Acid—Domestic material was moving about at the same as it had been. There hasn't been any real evidence of a significant change in the volume of material moving. Producers were still waiting for a sign of a continuation of the expansion of activities in tar acids which had started at the beginning of the last quarter of 1952 and then lost acceleration in the final weeks of the year. Producers said that consumers had their yearend inventory counts out of the way and should be ready to buy now.

Naphthalene—Producers have not been able to report any change in demand levels of this material in the first few weeks of this year. Domestic crude material has been moving slowly for the past six months, or more. Phthalic anhydride sales have shown a fair amount of activity in the past several months, but increased production capacities have been able to keep up with the pace. Consequently, no extreme shortages have developed as they have in the past, and thus the pressure has not been as great on naphthalene. In addition, the high levels of production of naphthalene have eased the once critical supply situation.

The market for imported 78-degree naphthalene has not shown much inclination to stepup its pace. Current quotations were still close to 3.85c. per pound for hot-pressed material. It was said that it was difficult to determine the exact price when so little material was moving.

Phenol—One source of synthetic material said it seemed that activity in phenol has been a little better in January than it was during December. It was believed that the recent reduction in price has

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Jan. 18, 1952
113.47	113.47	113.47	113.88

(For Current Prices see page 9)

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending January 17, was as follows:—

Ammonia liquid, NH_3	lbs.	1,047,687
Ammonium sulphate	lbs.	37,836,409
Benzol	gals.	3,622,004
Coaltar	gals.	16,613,326
Creosote oil	gals.	927,952
Naphthalene, crude	lbs.	2,359,350
Pyridin, refined	lbs.	26,941
Toluol	gals.	712,427
Xylol	gals.	190,030

For Late Market Developments, See Page 4

Here's information on KOPPERS Synthetic CHEMICALS

• Bulletin C-2-103, shown here, lists the properties, reactions and uses of 24 synthetic organic chemicals produced by Koppers Chemical Division. Most of these chemicals have established commercial applications; also, they offer new fields of investigation for research and development chemists. This Bulletin describes the products shown on the right.

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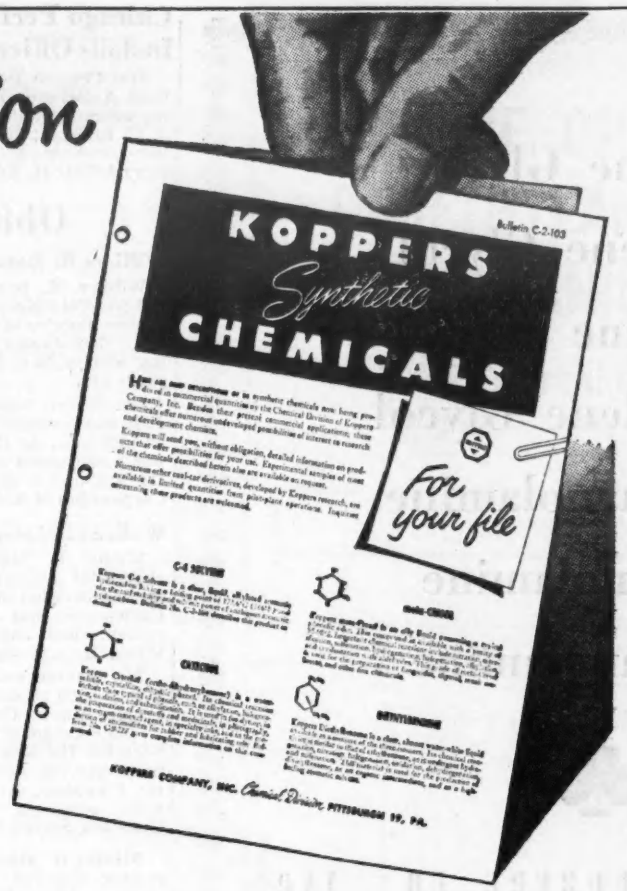

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added some incentive to buying in this market.

Producers of natural phenol have not been able to report much change over December levels yet, because it was still a little early to get a picture of the month's sales. However, there was some hope that demand would begin to show some expansion soon.

Pitch, Coaltar—One producer advanced schedules of the 140-150°F. m.p. material to create a range of $41 to $44.20 per ton in less than carlot quantities.

Pyridin—Producers reported that there was no real change in the conditions of this market. Demand has been sustained at a very high level. Suppliers have not been able to take care of all of the demand. Some potential uses have had to be temporarily shelved until there was more pyridin to go around.

One producer advanced its schedules for refined material 10c. per pound; however the range of producer quotations was unaffected.

Toluol—The market for this solvent continued to be in very tight supply. The combination of industrial demand and government buying has kept this market in a squeezed position. Producers reported that they have had to cut down on consumer allotments to take care of the defense requirements.

The total output of cokeoven operators during November was 2,918,934 gallons of toluol, according to the Bureau of Mines report. October production was 2,928,914 gallons, and November output of the previous year was 2,778,200 gallons.

The accumulated total for the eleven month period was 27,405,447 gallons, compared with 31,485,200 gallons produced in the January through November period of 1951.

Xylol—There has been no significant change in the amount of activity in this market. Producers have said that supply and demand were in an excellent balance. One source said that no real pinch has developed in xylol, but the market was tightening somewhat.

November production of all grades of xylol put out by cokeoven operators totaled 741,807 gallons, as against October output of 772,258 gallons, and November, 1951 production of 718,500 gallons, according to informatioin from the Bureau of Mines.

Total production for the first eleven months of the year was 7,307,728 gallons, compared with 8,318,200 gallons produced in the same period of 1951.

Intermediates

Phthalic Anhydride—There was not too much change in the market for this intermediate. However, there was a little difference in the conditions found by various producers. One source said that so far this month there has been a little less activity for phthalic. But, it still wasn't definite how the month would turn out. Another producer reported that January was going to be a high-level production month. It was expected to surpass any 30-day in the last six months, for this source.

It was stated that there seemed to be a little more optimism in the buying patterns of consumers than there was back in September. At that time, consumers would only buy when they had orders for the finished goods, it was said. The buyers were unwilling to keep partly processed goods, or stocks of raw materials on hand. Now, the trend has been reversed. Consumers were willing to buy before they had orders. Thus, they would have the material in stock when their orders came in.

Reilly Tar Adds Whitmore

Harry E. Whitmore has joined the staff of the Reilly Tar & Chemical Corporation to promote the sale of products from its newly formed synthetic organic chemicals department, according to an announcement by Peter C. Reilly, jr., vice-president.

Steel Shipping Barrels Output In November Below October

November production of steel barrels and drums, on an average working-day basis, was 17 percent below that of October and 12 percent under the figure for November, 1951, according to the Bureau of Census. During the month the industry turned out 1,891,676 heavy-type steel barrels and drums, 785,292 light-type steel barrels and drums, and 5,400,110 light-type steel shipping packages, kegs and pails. This compares with 2,276,777 heavy-type steel barrels and drums, 935,811 light-type steel barrels and drums and 6,871,749 steel shipping packages, kegs and pails in October, according to the revised listing for that month.

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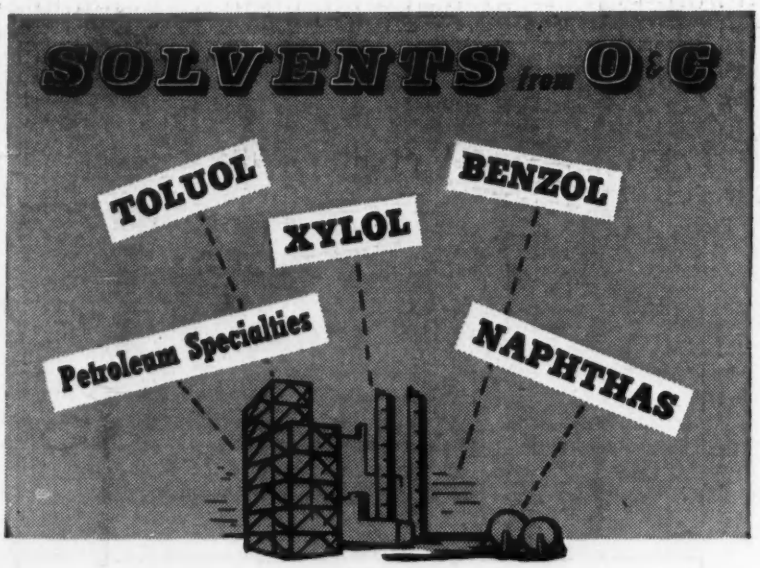

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Chicago Perfumery Ass'n Installs Officers for 1953

The Chicago Perfumery, Soap and Extract Association has installed the following officers for the 1953 term:—President, J. C. Browing; vice-president, W. D. Ackley; treasurer, E. F. La Sarre, and secretary, Arthur H. Culver.

Obituaries

William R. Bassett

William R. Bassett, a director of the Colgate-Palmolive-Peet Company and a former director of the Vick Chemical Company, died January 9 aboard a train bearing him to New York. He was sixty-nine years old.

Mr. Bassett joined Vick as a director in 1941 and relinquished that post in October of last year. At the time of his death he was a consultant to the Vick management. He was also a director of the Container Corporation of America.

Walter L. Maxson

Walter L. Maxson, vice-president in charge of research for the Oliver Iron Mining Division of the United States Steel Corporation and a leader in taconite research, died January 8 in Bellingham, Wash. He was sixty years old.

Mr. Maxson had at various times in his career been associated with the Anaconda Copper Mining Company, the Amalgamated Zinc Company, the Phelps-Dodge Corporation, the New Jersey Zinc Sales Company and the Allis-Chalmers Manufacturing Company. At one time, he was associate professor of metallurgy at the Colorado School of Mines.

Jarvins H. Alger, a director of the Aluminum Company of Canada, Ltd., died January 14 in Westerly, R. I. He was sixty-six years old.

Dwight C. Carpenter, a research chemist at the State Agricultural Experiment Station at Clinton, N. Y., died in Clifton Springs, New York, January 14. He was sixty-two years old.

Caleb Coffin, advertising manager and director of public relation for E. R. Squibb & Sons, New York, died January 15 in New York. He was forty-four years old.

Sherwood E. Collins, for thirty years office manager for the Celanese Corporation of America in New York, died January 7 in Morristown, N. J. He was sixty-two years old.

W. Albert Davis, formerly business manager of the Diamond Alkali Company, Cleveland, Ohio, died January 9 in Painsville, Ohio. Mr. Davis had retired from the company in 1945.

William C. Hay, an oil man and industrialist who had been active in Los Angeles for fifty years, died January 10 in Vancouver, B. C. He was seventy-one years old.

Raymond L. Patrick, vice-president and chairman of the board of the Eastern Magnesia Talc Company, died January 14 in Boston. He was seventy-six years old. Mr. Patrick was also chairman of the Rock of Ages Corporation, Barre, Vt.

James R. Reid, chief engineer for the Metal & Thermit Corporation, Carteret, N. J., died January 11 in Woodbridge, N. J. He was sixty-three years old.

William C. S. Remsen, assistant secretary of Johnson & Johnson, New Brunswick, N. J., died January 9 in Chicago. He was thirty-one years old.

George V. Savitz, district sales manager of the agricultural potash division of the International Minerals & Chemical Corporation, Chicago, died January 15 in Carlsbad, N. M. He was sixty-five years old. Mr. Savitz had been with the company thirty-five years.

Andrew M. Sears, an employee of the Atomic Energy Commission, died in Oak Ridge, Tenn., January 11. He was forty-five years old.

George R. Weber, vice-president of Raybestos-Manhattan, Inc., New York, and manager of the subsidiary United States Asbestos division plant in Manheim, Pa., died in Lancaster, Pa., January 14. He was seventy-five years old.

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Commonwealth Engineering Vice-Presidency to Marvin

Malvern J. Hitler, president of Commonwealth Engineering Company of Ohio, Dayton, Ohio, has announced the election of Dr. Philip R. Marvin as vice-president.

Dr. Marvin will be in charge of all customer relations and contract negotiations. In addition he will head up the industrial department, which includes the commercial research division, the operations research division, the product clinic, the cost reduction laboratory and commonwealth's technical audits.

Dr. Marvin began his career with the General Electric Company, following which he joined the Bendix Aviation Corporation. Later he was director of research and development in the Milwaukee Gas Specialty Company, and before joining Commonwealth was senior management consultant with Booz, Allen & Hamilton.

National Gypsum Announces Sales Personnel Promotions

The National Gypsum Company, Buffalo, N. Y., has announced several promotions among its sales personnel.

A newly created position, director of trade relations covering six western districts, will be filled by C. Gustavus, formerly district manager in Dallas, Tex. Advanced to district sales managers are J. L. Phillips in Dallas, A. T. Johnson in Detroit, Mich., and J. E. Peeples in Jacksonville, Fla. New assistant district sales managers include N. R. Shotwell in Jacksonville, M. H. Baker, jr., in Pittsburgh, Pa., E. F. Grosse in Cleveland, Ohio, J. R. Ritchey in Kansas City, Mo., and J. C. Wall in Cincinnati, Ohio.

Machinery Manufacturers Get OPS Rules Easing

The Office of Price Stabilization last week amended its regulation covering manufacturers of machinery and related manufactured goods to permit these manufacturers to apply for approval of changes in their list prices and discounts when such changes do not increase the general level of ceiling prices. The action was covered by amendment 44 to Ceiling Price Regulation 30, effective January 12. Applications must be filed with the industrial materials and manufactured goods division of OPS, Washington 25, D. C.

Bids Wanted

Caustic Soda, 266,000 lbs., caustic soda, lye, Navy Purchasing Office, 111 E. 16th St., N. Y., N. Y., inv. 1266, Feb. 5.

Chemicals, misc., 12,500 gals. benzine, Contracting Officer, Dallas Chemical Procurement District, 1200 Jackson St., Dallas 2, Tex., inv. 34, Feb. 2; 2,000 lbs. dimethyl hydrogen phosphite distilled, Purchasing & Contracting Officer, Chemical Corps Procurement Agency, Army Chemical Center, Md., inv. 244, Jan. 28 and 23,000 lbs. carbon disulphide, inv. 251, Feb. 9 and 1,000 lbs. dichlorodimethylhydrantion inv. 252, Feb. 10.

Phenol, 1,152 3½ ozs., 6,800 1-lb. cans sodium bicarbonate, Armed Services Medical Procurement Agency, 84 Sands St., B'klyn 1, N. Y., inv. 921, Jan. 26; 8,500 lbs. anthracene, Contracting Officer, New York Chemical Procurement District, 180 Varick St., N. Y. 14, N. Y., inv. 87, Jan. 27.

Diatomaceous silica filteroil, 18,500 lbs., for fitting microscope particles, Purchasing & Contracting Officer, Chemical Corps, Biological Lab., Camp Detrick, Frederick, Md., inv. 127, Feb. 5.

Drugs, misc., 490 lbs. potassium cyanide, 1,150 bots. potassium hydroxide, 625 lbs. ammonium nitrate, 13,200 lbs. sodium chloride, etc., 13 items, Directorate Procurement SMAMA, McClellan Air Force Base, McClellan, Calif., inv. 166, Jan. 22 and 17 bots. silver cyanide, 800 lbs. ammonium nitrate, 550 lbs. potassium cyanide, inv. 168, Jan. 23; 6,000 lbs. magnesium, atomized, Commanding Officer, Picatinny Arsenal, Dover, N. J., inv. 158, Jan. 26; 400 lbs. magnesium carbonate, 7,500 lbs. potassium perchlorate, Contracting Officer, New York Chemical Procurement District, 180 Varick St., N. Y. 14, N. Y., inv. 87, Jan. 27.

Bacitracin ophthalmic ointment, 1,728 boxes, 2,592 boxes penicillin ophthalmic ointment, Armed Service Medical Procurement Agency, 84 Sands St., B'klyn 1, N. Y., inv. 929, Jan. 26 and 4,008 bots. boric acid, 83,520 bots. calamine lotion, 22,464 bots. collodion, flexible, 253,320 bots. benzalkonium chloride tincture, 152,500 pkgs. benzalkonium chloride tincture, inv. 934, Jan. 27.

Gas, 150,000 cu. ft. gas, acetylene, 275,000 cu. ft. oxygen, Commanding Officer, Ordinance Purchasing Branch, Anniston Ordnance Branch, Anniston Ordnance Depot, Anniston, Ala., inv. 32, Feb. 10; 80,000 cu. ft. oxygen, refilling 220 lb. cap. government-owned cylinders, Purchasing & Contracting Section, Camp Atterbury, Ind., inv. 8, Jan. 26.

Insecticide, 118,440 lbs. DDT powder insecticide, Navy Purchasing Office, 111 E. 16th St., N. Y., N. Y., inv. 1285, Feb. 5.

Iron Oxide, 125,000 lbs., precipitated black iron oxide, Bureau of Engraving & Printing, 14th & C Sts., S.W., Washington 25, D. C., inv. BEP-141, Jan. 30.

Paints, 26,524 qts. aircraft enamel, 19,892 gals. aircraft enamel, 17,996 gals. camouflage enamel, Aviation Supply Office, Navy, 700 Robbins Ave., Philadelphia 11, Pa., inv. B-54464, Jan. 30, and 33,624 qts. camouflage lacquer, 82,824 qts. cellulose nitrate gloss lacquer, 29,072 gals. cellulose nitrate lacquer, 49,096 qts. same, 16,288 qts. same, inv. B-54465, Feb. 2 and 9,958 gals. interior paint, white, semigloss, fire retardant, inv. B-54463, Jan. 28 and 9,996 qts. cellulose nitrate dope and lacquer thinner, 267,688 gals. same, 150,547 gals. same, inv. B-54462, Jan. 30, and 18,000 gals. coating, solution spray type adhering, inv. B-54469, Feb. 4.

Semi-gloss interior enamel, 1,000 gals. Purchase Division, Federal Supply Service, 1375 Euclid Ave., Cleveland 15, Ohio, inv. CL-1181, Jan. 27; 175 gals. lusterless enamel, Contracting Officer, Dallas, Texas, inv. 33, Jan. 29; 500 gals. thinner, used with unichrome primer and coating, Hq. Mobile Air Material Area, Bldg. S-190, Brookley AFB, Ala., inv. 202, Jan. 23; 116 55-gal. dms. turpentine, gum spirits, 600 5-gal. cans same, Corps of Engineers, Army, 226 W. Jackson Blvd., Chicago, Ill., inv. 257, Jan. 27.

Interior oil paint, flat wall, 1,200 gals., Purchase Division, Federal Supply Service, P. O. Box 39, Canal St. Station, N. Y. 13, N. Y., inv. 3B-43589, Jan. 22 and 72 pts. rubber cream glue general-purpose cement, 240 12-oz. dispenser spray cans coating, protective, plastic, 300 gals. rubber base paint for concrete, 72 tubes cement, mending, metallic, 220 gals. thinner for lacquer, 1,125 gals. turpentine, inv. 3B-43669, Jan. 26; 750 gals. water resistant rubber base fast tack adhesive, 70 gals. label clear water resistant adhesive, Contracting Officer, General Depot, Army, Lathrop, Calif., inv. 13, Jan. 23.

Vinyl type red lead paint, 2,250 gals., 3,900 lbs. powder pigment aluminum, 2,650 lbs. paste pigment aluminum, 3,465 gals. vinyl type aluminum vehicle; 2,900 gals. vinyl type white primer; 1,430 gals. thinner for vinyl prints, 100 gals. butanol, 250 gals. red lead base paint, 150 gals. titanium lead zinc and oil exterior paint, 300 gals. zinc yellow iron oxide base paint, 100 gals. heat resisting enamel, 100 gals. interior gloss tints and white enamel, 330 gals. mineral spirits, 1,150 gals. vehicle V-1, dark phenolic resin tung oil vehicle, Corps of Engineers, Army, Rock Island District, Clock Tower Bldg., Rock Island, Ill., inv. CIVENG-45, Jan. 23.

Petrolatum, 176 55-gal. dms. liquid petrolatum, Armed Services Medical Procurement Agency, 84 Sands St., B'klyn 1, N. Y., inv. 948, Jan. 29.

Salt, 40 tons salt, regeneration of zeolite water softener, Bureau of Prisons, Federal Correctional Institution, La Tuna, Texas, inv. 13-4530, Jan. 22.

Tetrachloroethylene, 22,715 gals., Navy Purchasing Office, 111 E. 16th St., N. Y., N. Y., inv. 1281, Feb. 3.

Trisodium phosphate, 588,000 lbs., technical, Quartermaster Procurement Agency, 111 East 16th St., N. Y. 3, N. Y., inv. 590, Feb. 12, and 378,000 trisodium phosphate, inv. 1263, Feb. 6.

Zirconium hydride, 180 lbs., technical grade, Commanding Officer, Picatinny Arsenal, Dover, N. J., inv. 157, Jan. 2.

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Drugs and Fine Chemicals

There was little price activity in this market last week. Silver nitrate, USP, was advanced 1⅛ cent per ounce following an advance in silver bullion. Crude glycerin prices were up two cents from previously reported levels. Imports of crude were heavy, but added to domestic production, continued to fall short of the burgeoning demand. Morpholine was reduced 6 cents per pound, across the board. This was the first reduction in the price quotation for this item in over a year. It was thought that the reduction in price would encourage the use of morpholine in the less expensive rubless floor polishes with considerable improvement in the quality of the product. Morpholine is also used in the preparation of rubber accelerators and corrosion inhibitors.

This situation in glycerin continued to be a matter of concern to producers. Glycerin stocks (all grades) dropped over 16,000,000 pounds during the past year. Consumption continues to outpace supply and the rising cost of crude would appear to indicate another boost in refined schedules in the near future.

Menthol prices have been more or less steady in recent weeks. There were some odd lots of Chinese menthol in the market, commanding a good price when compared to quotations on the Brazilian. Demand remained mediocre, nevertheless.

The lacquer solvents were going at a stepped up rate. Methylethylketone and methylisobutylketone were reported to be moving quite well with supplies proving adequate to the demand. Butyl solvents were also somewhat improved. Earlier offers of butyl alcohol and acetate at below market prices was said to have been entirely withdrawn. The alcohol market was unchanged. The industry was eagerly awaiting the announcement as to which bids on the government contract for 15,000,000 gallons had been accepted. This alcohol is to be delivered to government synthetic rubber plants at the rate of approximately 5,000,000 gallons per month during the next three months. It has been estimated that domestic alcohol producers could not afford to go below 35 cents per gallon and make a justifiable profit. Whether bids below that figure were submitted was a matter for conjecture.

Price Trends

Advanced

Glycerin, crude, 2c. per lb.
Silver nitrate, USP, 1⅛c. per oz.

Reduced

Morpholine, 6c. per lb.

Comparative Price Indexes

(1900=1949 average)

Last week	Prev. week	Last month	Jan. 18, 1952
91.74	91.74	91.75	100.81

(For Current Prices see Page 9)

Acetone—Demand for acetone was said to be fair to good depending upon the viewpoint of the producer queried. The textile industry has been stepping up production and the use of acetone, which is used in rayon manufacture, has increased correspondingly. Supplies continued adequate for current inquiry while prices were unchanged. The expansion goal set last year for an increase of 135,000,000 pounds in acetone annual protective capacity has been met, according to the National Production Administration. Total annual capacity stood at 760,000,000 pounds as of December 15, 1952.

Butyl Solvents—Demand for butyl acetate and alcohol was fair, on the whole. There seemed little doubt that this market was improving since prices have noticeably firmed up. Earlier offerings of these solvents at lower than market price have since been withdrawn, according to reports. Supplies were adequate.

Castor Oil—Arrivals of beans at Philadelphia and New York ports last week amounted to 3,646,500 pounds, as compared with 3,074,850 the previous week, and 10,245,400 during the corresponding week of last year. Imports of castor oil at these ports last week totaled 2,148,000 pounds, as against the 2,884,400 pounds brought in during the previous week, and the 2,948,000 pounds landed during the corresponding week of 1952.

Total imports of beans so far this year at Philadelphia and New York amounted to 6,721,350 pounds, compared with 13,897,000 pounds during the corresponding period in 1952. Total oil imports at these ports so far this year amounted to 5,032,400 pounds, as against the 8,744,000 pounds brought in during the same period of last year.

Chloral Hydrate—Inquiry for this compound was fair. Supplies were reported to be adequate for demand. The current price schedule for the USP material was as follows:—1,000 pound lots, $1.30 per pound, 500 pound lots, $1.33 per pound with 100 pound lots at $1.35.

Cream of Tartar—Producers report that demand has been steady but unspectacular. Demand was seasonally off and the availability of lower priced imported material in the market contributed to the slack inquiry, it was said. Supplies were adequate for current inquiry while prices remained unchanged. Some segments of the industry foresaw prospects for further downward price adjustment in the future. The current price for the domestic material was 32c. per pound in carlots with 5,000 pound lots, one shipment, ½c. higher and smaller lots pegged from 33c. to 36c. per pound, depending upon quantity.

Glycerin—Demand for refined glycerin continued at good levels. Supplies remained tight due to the shortage of crude. Crude production, according to the latest available figures (November, 1952) has not recovered itself to the levels of the first four months last year. Demand for glycerin, however, in contrast, has been moving along well.

Imports of crude have been stepped up substantially but have not been sufficient to ease the situation. Crude prices continued to climb last week. Business was done at 31c. per pound for soaplye crude and 34c. for saponification material. There were observations in the trade that another boost in refined glycerin prices was probable due to the spiraling cost of crude.

Recently released data on glycerin statistics indicated that glycerin stocks (all grades) at the beginning of November stood at 39,190,000 pounds, a decline of more than 16,000,000 pounds from the 55,727,000 pounds on hand in January, 1952. Production of crude glycerin in the first 11 months of 1952 hit its peak in October although from May through September its highest point had been 15,664,000 pounds in September. Production of crude during the first four months was high, averaging better than 17,000,000 pounds.

The strike at synthetic glycerin facilities in Texas started at the beginning of May and carried through to mid-July. Crude production went into a long slough falling to its lowest point in July. Augmenting the effects of the strike that month were the annual vacation shutdowns in the soap industry. Stocks of all grades declined steadily from April through November. For the first four months in 1952 production exceeded disappearance of glycerin stocks. For the remainder of the year the reverse was the case. Stepped up imports in 1952 helped to lessen the rate of stock disappearance.

The outlook for the immediate future is for a sustained strong demand for glycerin from both government contracts and the manufacturers of consumer products. Supplies will continue tight.

Hexamethylenetetramine—Demand for this material was reportedly fair. Hexamethylenetetramine is used in the manufacture of explosives and fuel tablets. The latter use, however, has not been as great as in the last war. Military orders for fuel tablets included in field ration kits have largely gone to manufacturers of another chemical which has been found acceptable in this application by government authorities. Supplies of this compound were adequate for current demand while the price was unchanged.

The National Production recently announced that hexamethylenetetramine was included in the group of chemicals for which projected expansion goals have been met. Annual productive capacity as of December 15 last year aggregated 28,000,000 pounds, an increase of 10,000,000 pounds over annual capacity as of January, 1951.

Methylethylketone—Demand for this solvent was going well and prospects for coming months were good, according to observers in the trade. An increase of 10 to 15 percent in the lacquer business in 1953 over the preceding year has been forecast. Producers of methylethylketone were optimistic of a continuing sustained demand for the solvent. Prices were unchanged.

The expansion goal to 175,000,000 pounds set during the third quarter last

For Late Market Developments, See Page 4

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year has been met, according to the NPA, as of the middle of December, 1952. The increase in annual productive capacity totaled 25,000,000 pounds.

Methylisobutylketone—Demand for this lacquer solvent was strong, according to reports received. Lacquer business has been improving and prospects for coming months were good, it was said. Prices were firm.

The expansion of annual productive capacity to 160,000,000 pounds has been met, the National Production Administration recently announced. The increase constituted a boost of 25,000,000 pounds in capacity over that in January 1, 1951.

Milk Powder—The market in nonfat dry milk solids continued weak. Offerings were plentiful for light demand with prices often a matter of negotiation.

The market in spray process whole milk was barely steady. Offerings were ample for spotty demand. Roller process stocks were mostly made on order. Interest was limited for imported goods.

The output of total nonfat dry milk solids during November was the second largest of record for the month, according to the Bureau of Agricultural Economics. Manufacturers' stocks and prices were the highest of record for the date.

Production of total nonfat dry milk solids for November, at 43,000,000 pounds, was, except for 1949, the highest in 13 years of record. It was 69 percent more than a year earlier and 31 percent greater than the November five-year average. During the first 11 months of 1952, output totaled 775,315,000 pounds, a gain of 16 percent from the same period a year earlier. Output for the entire year of 1952 probably will be the third highest in 13 years of record.

Production of spray-dried nonfat milk, at 36,500,000 pounds, was the highest for November in 10 years of record, up 74 percent from a year earlier and 54 percent from the five-year average for the month. During the first 11 months of 1952, production totaled 602,615,000 pounds, a gain of 16 percent from the same period of 1951. Production of roller-dried nonfat milk for November was 6,500,000 pounds, the highest for the month since 1949, a gain of 44 percent from a year earlier but a decline of 28 percent from the 1946-50 average for the month. For the period from January through November, 1952, output totaled 173,200,000 pounds, a gain of 17 percent from the same months of 1951.

Molasses — Feed molasses prices increased slightly at several points during the week ended January 13, 1953. At New Orleans the price for cane blackstrap was mostly 10c. per gallon with a few quotations above and below this level. The New York price was mostly 11c. per gallon. The price at Mobile was 10c.; while at Savannah and Jacksonville blackstrap quotations were at the 10½c. level. On the east coast, Norfolk, Baltimore and Philadelphia were quoting 11c. The west coast price for cane and beet molasses increased $2 per ton from $17 to $19. Demand continued moderate to good on the east coast, strong in the southeast and good on the west coast. Supplies of feed molasses were adequate at all points except Savannah. Hydrol supplies were exhausted at Kansas City, Argo and Pekin.

Total sales of 1952 crop Cuban blackstrap through December 31, 1952, amounted to 370,900,000 gallons according to the Cuban Sugar Stabilization Institute, and 81,800,000 gallons had been used locally. This represents the disposal of all the 1952 crop production and all existing stocks in Cuba. Approximately 428,000,000 gallons of blackstrap was available in Cuba during 1952. Sales in excess of total Cuban blackstrap available for 1952 amounted to about 34,000,000 gallons at the year's end.

Morpholine—In the first price change in over a year, morpholine was reduced 6c. per pound across the board. The current schedule for morpholine in tanks was 53c. per pound, delivered East. Drum carlot quantities were priced at 54¾c. and less

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than carlots at 1c. per pound higher, same basis.

Octyl Alcohol—The status of the expansion program for this compound was recently revealed as almost complete. Of the 60,000,000 pounds of scheduled expansion, all but 8,000,000 pounds had been completed as of December 15, 1952, according to the National Production Administration.

Salicylic Acid—Demand for USP grade salicylic acid was fair. Supplies were ample for current inquiry. The current price for USP crystals was 46c. per pound in drums, while the powder was priced 5c. per pound higher.

Silver Nitrate—The price of USP silver nitrate was advanced 1⅛c. per ounce last week reflecting increases in the price of silver bullion. The current schedule for silver nitrate was 54¾c. per ounce in 2,500 ounce lots, 56c. in 1,000 ounce lots and 56½c. per ounce in 500 ounce lots with 250 ounce lots priced at 57c.

Peanut Storage Ceiling Is Established by OPS

Dollars and cents ceiling prices for warehouse handling and storage of peanuts for the Commodity Credit Corporation was established last week by the Office of Price Stabilization in Supplementary Regulation 35 to Ceiling Price Regulation 34, effective January 20.

The action, which is the first change in rates paid by the CCC since 1944, takes into account higher costs of storage and handling, particularly as the 1952 contracts require warehousemen to guarantee maintenance of grade and quality of peanuts delivered to them and to provide buyer insurance coverage.

The OPS order raises storage charges by 10 cents a month per ton of peanuts for farm cooperatives and by 30 cents a month per ton for others, including shellers of peanuts. Handling charges were raised by 50 cents a ton.

Cadet Chemical Moves

Cadet Chemical Corporation has moved to new quarters at 717 Elk street, Buffalo, N. Y. At its new site, Cadet Chemical has 10,000 square feet of space to expand its production of benzoyl peroxide, MEK peroxide and lauroyl peroxide.

Bowman Feed Declares Dividend

Charles L. Bowman, president of Bowman Feed Products, Inc., has announced a third quarter dividend of $1 per share to stockholders of record December 13, 1952. This cash dividend of $1 represents 100 percent of the cost of the stock of the company when it was formed two years ago, it was stated.

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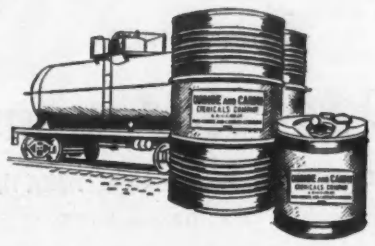

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Ashcraft-Wilkinson Reports Top Management Changes

Changes in the top management of the Ashcraft-Wilkinson Company, Atlanta, Ga., have been announced, following a meeting of the board of directors.

Lee Ashcraft, one of the company's founders, has been named chairman of the executive committee; George W. McCarty has been moved up to chairman of the board from his former position as president, and Van W. Wilkinson has been elected president.

Mr. McCarty, who succeeds Mr. Ashcraft, had served as president since 1944. He has been with the firm since 1916. Mr. Wilkinson, formerly vice-president, has been associated with the company since its founding in 1912.

At the same time it was announced that John E Foy, jr., has been named vice-president; Walter J. Fargason has been appointed secretary and treasurer, and W. Mercer Rowe, jr., has been made assistant vice-president. Mr. Rowe will be in charge of the posticide division.

Phosphorous Unit Started By Shea Chemical in Tenn.

Full operation of its 30,000 kilowatt elemental phosphorus furnace, one of the world's largest, was announced yesterday by Vincent H. Shea, president, Shea Chemical Corporation, Baltimore, Md. The furnace has a capacity of approximately 40,000,000 pounds of white phosphorus annually, and is the final part of the corporation's $3,500,000 expansion program in Columbia, Tenn. Other facilities at the furnace site include those for complete phosphate rock treatment, with pelletizing and calcining equipment, in addition to plants for the manufacture of phosphoric acid and dicalcium phosphate.

Sulphur Purchases Allowed For Greece Up to $240,000

The Office of Small Business of the Mutual Security Agency last week announced that the government of Greece has been granted an authorization to spend $240,000 for refined and crude sulphur from the United States. The authorization number is 40-640-00-3030. The contracting period extends until May 31.

The agency said that American suppliers, before signing contracts, should make sure that such contracts, before becoming effective, are contingent upon:—(1) Availability of export control quotas for the country of destination, if necessary; (2) their obtaining an export license if required; and (3) their receipt of a letter of credit.

Steinman, Tainter Elected To Academy of Sciences

The election of Dr. David B. Steinman and Dr. Maurice L. Tainter as president and vice-president, respectively, of the New York Academy of Sciences has been announced. Dr. Tainter is director of the Sterling-Winthrop Research Institute, and a vice-president of Sterling Drug, Inc., of which the Institute is a division. Dr. Tainter has been associated with Sterling since 1943.

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Heyden Sales Manager

Fritz Degener has been named general sales manager of chemicals for the Heyden Chemical Corporation, New York (OPD, 1/12/53). Mr. Degener had been assistant sales manager since 1948 and has been associated with the company since 1930 in various capacities in Chicago and New York.

Oilseed Meals, Feeds Win Price Regulation Exemption

The Office of Price Stabilization amended General Overriding Regulation 7, Rev. 1, January 13 to exempt a number of minor oilseed meals and feeds from price regulation. The agency explained that production of the products covered by the amendment is very small and the supply probably amounts to considerably less than one percent of the total feed supply.

Amendment 16 to GOR 7, Rev. 1 extended the exemption from price control to cake, size cake, meal, cubes and pellets produced from the following seeds, nuts or kernels:—

Apricot kernels, apricot pits, babassu kernels, cohune kernels, coquito kernels, corozo kernels, hemp seeds, ivory nuts, kapok seeds, ouricury kernels palm kernels, perilla seeds, poppy seeds, rape seeds, rubber seeds, safflower seeds, sesame seeds, sunflower seeds, and tucum kernels.

The amendment also exempted from price control the following animal feeds and feed ingredients:—

Almond hull meal, asparagus butts, arcocoa shells, crab meal, fenugreek meal, cocoa shells, crab meal fenugreek meal, ground oyster shells, olive pulp, pineapple pulp or bran, raisin pulp, shrimp meal or bran, starfish meal, and tomato pomace.

Submerged Lands Measure Introduced by Sen. Holland

Legislation which is expected to have the support of the new Administration to confirm and establish the titles of the states to submerged lands was introduced in the senate January 9 by Sen. Spessard L. Holland, of Florida, jointly with thirty-nine other senators. The resolution, S. J. Res. 13, was referred to the committee on interior and insular affairs.

Sen. Price Daniel, of Texas, also introduced an identical measure but with an additional title providing for development of oil resources on the continental shelf by the states, with the states getting 37½ percent of the money collected on the leases and the remaining 62½ percent going into the federal treasury to be applied against the national debt.

The Holland resolution is the same as the bill that was passed by congress last year, but vetoed by President Truman. It gives back to the states their rights in the submerged lands within the constitutional boundaries of the states, which they enjoyed prior to the decisions of the Supreme Court of the United States in the California, Texas, and Louisiana cases.

Calco Ups Daniels, Connell

The Calco Chemical Division of the American Cyanamid Company, Bound Brook, N. J., has announced the appointment of Rupert W. Daniels as manager of intermediate sales and the appointment of Philip G. Connell, jr., as assistant manager of rubber chemical sales.

Mr. Adams joined Calco in 1936 and since then has been identified with all phases of development, production, purchasing and sale of coaltar products and intermediates. Mr. Connell became associated with Calco in 1946 as a student trainee.

Nopco Chemical Company Elects Five New Officers

The Nopco Chemical Company, Harrison, N. J., has elected five officers, according to an announcement from Thomas A. Printon, president.

Dr. C. I. Post has been elected vice-president and will be responsible for all research, sales and advertising in the vitamin division. Dr. E. A. Robinson, also elected a vice-president, will be responsible for all sales of the textile fibers and textile specialties departments and will be technical director of industrial laboratories. Harry A. Batley, George G. Stier and Walter B. Morehouse have been elected assistant vice-presidents.

Mr. Batley will be in charge of industrial manufacturing, pilot plant and semi-works operations, and plant coordinating. Mr. Stier will head the new Lockfoam Division, the industrial market development department and will be responsible for military orders and contracts. Mr. Morehouse will be sales manager for the paper chemicals department and supervisor of all industrial division field personnel.

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An active methylene group in a dicarboxylic acid ester is of particular interest and has been responsible for much of its present use in the manufacture of pharmaceuticals, including barbiturates and anti-malarials.

TYPICAL REACTIONS

$2CH_2(COOEt)_2 + 3RX \xrightarrow{Na} CHR(COOEt)_2 + CRR(COOEt)_2 + 3HX$

halogen cd. → mono- and di- substituted malonic esters

$CH_2(COOEt)_2 + HC(OR)_3 \xrightarrow{catalyst} ROCH = C(COOEt)_2 + 2C_2H_5OH$

trialkyl orthoformate → alkoxy-methylene malonic ester

$CH_2(COOEt)_2 + RRCO \xrightarrow{catalyst} RRC = C(COOEt)_2 + H_2O$

aldehyde or ketones → disubstituted methylene-malonic ester

$CH_2(COOEt)_2 + NH_2CONH_2 \longrightarrow NHCOCH_2CONHCO + 2C_2H_5OH$

urea → barbituric acid

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REGULUS—100 cs, C Glitan & Co, Antwerp
ARABIC GUM—304 bgs, Hanover Bank, Port Sudan
256 bgs, National City Bank, Port Sudan
50 bgs, Trust Co of North America, Port Sudan
100 bgs, Bank of New York, Port Sudan
75 bgs, Guaranty Trust Co, Port Sudan
ARROWROOT—4,000 bgs, Morningstar Nicol, St Vincent
BARBASCO ROOT—111 bls, Astoria Pan American, Callao
BARIUM CARBONATE — 2,500 bgs, Berkshire Chemicals, Rotterdam
ORE—500 bgs, Warrow Trading Agency, Cabedelo
BASIL LEAVES—82 bls, Wm E Martin, Marseille
OIL—1 cs, L A Champon & Co, Dar es Salaam
BAUXITE ORE—4,035 tons, Alcoa Mining Co, Parmaribo
3,707 tons, Alcoa Mining Co, Tembladora
BAY OIL—2 dms, Dodge & Olcott, Roseau
1 dm, Citrus & Allied Essential Oils, Roseau
2 dms, Ungerer & Co, Roseau
1 dm, D W Hutchinson & Co, Roseau
BEESWAX—196 blks, National City Bank, Lisbon
50 bbls, Chase National Bank, Lisbon
50 blks, Bank of London & South America, Lisbon
50 bgs, Colonial Trust Co, Lisbon
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26 bgs, Strahl & Pitsch, San Antonio
74 bgs, Strahl & Pitsch, Talcahuano
82 bgs, Guaranty Trust Co, Alexandria
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20 bgs, J W Hanson, San Antonio
91 bgs, Chase National Bank, Lisbon
25 bgs, H H Pike, Santiago
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31 bgs, Lenape Trading Co, Talcahuano
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66 cs, Bank of Athens, Antwerp
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20 cs, Yokohama
112 cs, Antwerp
CALCIUM GLUCONATE—99 dms, George Uhe Co, Kobe
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CANDELILLA WAX—4,457 bgs, Tampico
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CASHEWNUT SHELL LIQUID—178 tons, Irvington Varnish & Insulator Co, Cochin
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CASSIA—176 pkgs, A G Dunn, Rotterdam
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200 bls, Mincing Trading Corp, Zanzibar
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250 bls, Virchand Panachand, Zanzibar
80 bls, Frame & Co, Zanzibar
50 bls, Fuerst Bros, Zanzibar
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80 bls, Zanzibar
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COPAL GUM—80 bkts, Internatio Rotterdam, Macassar
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FISHMEAL—600 bgs, J D Smith, Yokohama
FISH OIL COMPOUND—102 bgs, J J Gavin & Co, Oslo
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98,775 bbls, Royal Petroleum Corp, Aruba
122,646 bbls, Gulf Oil Corp, Puerto La Cruz
114,395 bbls, Fess Inc, Curacao
83,108 bbls, Metropolitan Petroleum Corp, Curacao
184,838 bbls, Esso Standard Oil Co, Amuay Bay
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6 cs, Bunge Corp, Lyttleton
GELATIN—200 bgs, Transatlantic Animal By-Products Corp, Rotterdam
300 bgs, B Young & Co, London
300 bgs, Transatlantic Animal By-Products Corp, Bordeaux
407 bgs, American Plastics Corp, Bordeaux
50 bbls, Colonel Chemical Co, Antwerp
100 bgs, T M Duche & Sons, Antwerp
410 bgs, Rotterdam
GERANIUM OIL—3 cs, Dodge & Olcott, Alexandria
1 bbl, Dodge & Olcott, Alexandria
GINGER ROOT—58 bgs, Dodge & Olcott, Kingston
GLUE—250 bgs, Burtonite Co, Rotterdam
BONE—918 bgs, Transatlantic Animal By Products Corp, Rotterdam
GLYCERIN—38 dms, Fehr Bros, Dublin
931 dms, Bankers Trust Co, Calcutta
106 dms, C J Schellings, Copenhagen
187 dms, Fehr Bros, Alexandria
120 dms, C J Schellings, Wellington
45 dms, Alexandria
GRAINS OF PARADISE—202 bgs, P O Hoffmann, Marseilles
GUAIACWOOD OIL—67 cs, Schimmel & Co, Buenos Aires
GYPSUM—10,021 tons, U S Gypsum Co, Hantsport
HENNA LEAVES—32 bls, Meer Corp, Bombay
54 bls, P O Hoffmann, Algiers
HERRING OIL—100 dms, Arista Oil Products Co, Rotterdam
HOREHOUND HERB—32 bgs, F D Keller & Son, Alicante
HYDRAZINE HYDRATE — 20 cbys, Mathieson Chemical Corp, London
HYDROCHLORIC ACID—200 dms, Genoa
INFUSORAL EARTH—2,802 bgs, Johns Manville Corp, Hamburg
IODINE, CRUDE—160 kgs, International Fertilizer & Chemical Corp, Yokohama
164 kgs, Antony Gibbs & Co, Tocopilla
IRON OXIDE—448 bgs, Landers Segal Color Co, London
RED—435 bgs, C B Chrystal, Malaga
KAOLIN—32 kgs, E Fougera & Co, London
KARAYA GUM—307 bgs, Morningstar Nicol, Bombay
184 bgs, Jacques Wolf, Bombay
323 bgs, Stein Hall & Co, Bombay
201 bgs, Brown Bros, Bombay
KIESELGUHR — 260 bgs, Central Asbestos Co, Copenhagen
LEMON OIL—6 dms, Lo Curto & Funk, Messina
170 cs, Messina
LIME OIL—2 cs, W J Bush & Co, Antigua
6 cs, American Lime Corp, Roseau
38 cs, Hoffman Beverage Co, Roseau
30 cs, Polaks Frutal Works, Port of Spain
LOCUSTBEAN GUM—300 bgs, H P Rossiger & Co, Rotterdam
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50 bgs, H P Rossiger & Co, Antwerp
500 bgs, Guaranty Trust Co, Rotterdam
20 bgs, C Marion, Piraeus
256 bgs, Bankers Trust Co, Lisbon
250 bgs, Morningstar Nicol, Barcelona
63 bgs, J H Schroder, Barcelona
MAGNESIUM TRISILICATE—20 cks, Mellerson & Robbins, London
MANDARIN OIL—2 hf cs, Lo Curto & Funk, Messina

MANGANESE ORE—600 bgs, Union Carbide & Carbon Corp, London
MANGROVE BARK—1,344 bgs, First National Boston, Lourenco Marques
MANIOCA FLOUR—3 bgs, American Key Products, Havre
MANNA—20 cs, Meer Corp, Palermo
10 cs, Max Van Pels, Palermo
MENTHOL—20 cs, Magnus, Mabee & Reynard, Kobe
MILK SUGAR—1,000 bgs, Chas L Huisking & Co, London
MOLASSES—1,281,258 gals, Instituto Cubano de Est Del Azucar, Cienfuegos
MUSTARD OIL—8 cs, Schimmel & Co, Hamburg
MUSTARD SEED—450 bgs, C Gulden, Rotterdam
267 bgs, Rotterdam
MYROBALANS—2,285 bgs, Barkey Importing Co, Mormugao
2,000 bgs, Chemical Bank, Bombay
NAPHTHALENE—984 bgs, South American Minerals & Mdse Corp, London
1,111 bgs, American Cyanamid Co, Rotterdam
1,250 bgs, Riches Nelson, Antwerp
NAPHTHOL—12 dms, Nova Chemical Corp, Rotterdam
14 dms, Heemsoth Kerner, Rotterdam
4 dms, Nova Chemical Corp, Hamburg
16 dms, Pfister Chemical Works, Hamburg
NICKEL CHLORIDE—9 cks, Aceto Chemical Corp, Bremen
10 bbls, Chemicore Corp, Bremen
17 cs, Bank of Athens, London
11 cs, Hudson Shpg Co, London
FORMATE—400 bgs, Guaranty Trust Co, Bremen
SULPHATE—59 cks, Industrial Sales Corp, Antwerp
25 cks, Balex Co, Antwerp
NUTMEGS—350 bgs, Norda Essential Oil & Chemical Co, St Georges
250 bgs, Becker Mayer Seed Co, St Georges
250 bgs, A G Dunn, St Georges
7 bgs, A G Dunn, St Vincent
9 bgs, Wessels Kulenkampff & Co, Castries
25 bgs, Landes & Balint, Colombo
OLIBANUM GUM—67 bgs, Norwalk Mills, Bombay
OLIVE OIL—261 dms, Credit Suisse, Malaga
243 dms, Credit Suisse, Seville
273 dms, National City Bank, Seville
25 dms, Manufacturers Trust Co, Seville
15 dms, American Trust Co, Seville
125 dms, Chemical Bank, Seville
30 dms, Seville
100 dms, Barcelona
OPOPANAX GUM—134 bgs, Norda Essential Oil & Chemical Co, Aden
ORANGE OIL—30 cs, Victory Shipping Co, Kingston
PEEL—43 bls, Alicante
ORRIS ROOT—39 bgs, Irving Trust Co, Leghorn
OURICURY WAX—30 bgs, A J Murray & Co, Rio de Janeiro
125 bgs, Marklin Chemical Corp, Rio de Janeiro
PALM OIL—2 dms, B M T Commodity Corp, Rotterdam
138 dms, Sassandra
PAPAIN—10 cs, Prentiss Drug & Chemical Co, Mombasa
25 cs, Whitehall, Shipping Co, Mombasa
23 cs, Chas L Huisking & Co, Mombasa
2 cs, S Hartman, Tanga
10 crts, Chas L Huisking & Co, Dar es Salaam
25 cs, River Plate Corp, Colombo
25 crts, River Plate Corp, Colombo
7 cs, Chas L Huisking & Co, Colombo
PARA-AMINOSALICYLIC ACID — 44 cs, Rhodia, Havre
PAPRIKA—100 bgs, Levy & Levis Co, Alicante
300 bgs, R T French, Alicante
150 bgs, Steinhardter & Nordlinger, Alicante
200 bgs, Hol-Pat Inc, Lisbon
100 bgs, Knickerbocker Mills, Alicante
1,410 bgs, Joseph Weinstein, Alicante
550 bgs, P H Petry, Alicante
580 bgs, A A Sayia & Co, Alicante
650 bgs, R F Downing, Alicante
225 bgs, Gallagher & Ascher, Alicante
50 cs, Gallagher & Ascher, Alicante
240 bgs, Malabar Spice Mills, Alicante
200 bgs, M Rothschild, Alicante
50 cs, M Porazzi Co, Alicante
50 bgs, M Porazzi Co, Alicante
300 bgs, Joensson & Cross, Marseilles
300 bgs, Louis Furth, Rotterdam
PAPRIKA—200 bgs, Schoenfeld & Sons, Rotterdam
400 bgs, Louis Furth, Hamburg
850 bgs, Lisbon
PATCHOULI OIL—5 dms, Dodge & Olcott, Penang
2 dms, Roure-Dupont Inc, Penang
PEATMOSS — 500 bls, Halfmoon Manufacturing & Trading Co, Rotterdam
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300 bls, New Amsterdam Import Co, Bremen
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154 bgs, Internatio Rotterdam, Oosthaven
80 bgs, Virchand Panachand, Oosthaven
80 bgs, Nederlandsche Handel, Alleppey
80 bgs, East India Trading Co, Alleppey
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80 bgs, A C Israel, Cochin
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70 bgs, Far Eastern Commodities Corp, Singapore
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48 bgs, H Hentz, Antwerp
105 bgs, A C Israel, Singapore
80 bgs, Bank of America, Alleppey
240 bgs, Alleppey
WHITE—32 bgs, Borneo Sumatra Trading Co, Tandjong Priok
80 bgs, Becker Mayer Seed Co, Tandjong Priok
80 bgs, J Berlage, Tandjong Priok
80 bgs, Mincing Trading Corp, Tandjong Priok
319 bgs, Internatio Rotterdam, Tandjong Priok
515 bgs, Internatio Rotterdam, Singapore
40 bgs, Virchand Panachand, Singapore
80 bgs, Joensson & Cross, Singapore
120 bgs, Borneo Sumatra Trading Co, Singapore
40 bgs, A G Dunn, Singapore
PEPPERMINT OIL—5 dms, Geismar & Co, Santos
PETROLEUM, CRUDE—69,065 bbls, Cities Service Oil Co, Tampico
108,387 bbls, Esso Standard Oil Co, Amuay Bay
238,726 bbls, Socony Vacuum Oil Co, Puerto La Cruz
221,917 bbls, Esso Standard Oil Co, Cartagena
124,796 bbls, California Oil Co, Sidon
PHTHALIC ANHYDRIDE — 17 dms, Reichold Chemicals, Oslo
PIMENTO—100 bgs, Otto Gerdau, Kingston
80 bgs, John Holt & Co, Kingston
LEAF OIL—4 dms, Fritzsche Bros, Kingston
1 dm, W J Bush & Co, Kingston
PINENEEDLE OIL—41 dms, Internatio Rotterdam, Antwerp
POLLACKLIVER OIL—50 dms, Lindfors Chemical Co, Yokohama
POLYVINYL CHLORIDE—14 cs, Penson & Co, London
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300 bgs, Colony Import & Export Corp, Calcutta
100 bgs, United Shellac Corp, Calcutta
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30 dms, Albumina Supply Co, Havre
SHELLAC—50 bgs, Schwab Bros, Calcutta
700 bgs, Gillespie-Rogers-Pyatt, Calcutta
100 bgs, Colony Import & Export Corp, Calcutta
495 bgs, Wm Zinsser & Co, Calcutta
25 bgs, Lo Curto Funk, Calcutta
100 bgs, Mac-Lac Co, Calcutta
48 bgs, P N Rowe, Calcutta
42 cs, F H Paul & Stein Bros, Rotterdam
50 bgs, Haeuser Shellac Co, Calcutta
100 bgs, Schwab Bros, Calcutta
400 bgs, Calcutta
SIENNA EARTH—10 cks, Reichard Coulston, Leghorn
SOAP BARK—190 bls, Prentiss Drug & Chemical Co, Valparaiso
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PERBORATE—5 cks, Naples
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4,000 bgs, Itajai
TARTARIC ACID—440 bgs. Genoa
THEOBROMINE—10 cks, George Uhe Co, Rotterdam
THYME LEAVES—125 bls, M J Golombeck, Marseille
125 bls, Levy & Levis Co, Marseille
213 bgs, P H Petry, Alicante
155 bgs, Alicante
TRAGACANTH GUM—31 cs, General Foreign Sales Corp, Rotterdam
18 cs, Crossworld Int Export Co, Rotterdam
172 bgs, Meer Corp, Rotterdam
150 cs, M N Hakkak, Khorramshahr
83 bgs, Khosrowshahi Co, Khorramshahr
ULTRAMARINE BLUE—8 dms, Fezandie & Sperrle, Rotterdam
UREA—100 bgs, M W Hardy & Co, Rotterdam
1,016 bgs, United Sterling Corp, Rotterdam
1,050 bgs, D & S Chemical Corp, Rotterdam
143 bgs, Sandoz Chemical Works, Genoa
2,000 bgs, M W Hardy & Co, Genoa
100 bgs, M W Hardy & Co, London
320 bgs, Terra Chemicals Inc, Rotterdam
2,000 bgs, Genoa
VANADIUM CONCENTRATES—1,200 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—20 cs, Middelton & Co, Guadeloupe
15 cs, Thurston & Braidich, Roseau
7 bxs, Zink & Trieste, Roseau
7 cks, Zink & Trieste, Roseau
7 cs, Royal Bank of Canada, Roseau
9 cs, Barclays Bank, Roseau
5 cs, Schmidt, Dammann & Smeltzer, Roseau
2 cks, Schmidt, Dammann & Smeltzer, Roseau
68 cs, F Huber & Co, Semarang
125 cs, George Uhe Co, Marseille
17 cs, Frank Tea & Spice Co, Marseille
VANILLA BEANS—23 cs, F Huber & Co, Marseille
20 cs, R L Oppenheimer, Marseille
138 cs, J Manheimer, Marseille
593 cs, Marseille
VEGETABLE OIL—10 cs, Magnus Mabee & Reynard, London
WAX—185 bgs, A Judson Murray, Rio de Janeiro
WATTLE EXTRACT—8,537 bgs, Barkey Importing Co, Mombasa
WOLFRAMITE—200 bgs, Chase National Bank, Leixoes
200 bgs, National City Bank, Leixoes
ORE—751 bgs, National City Bank, Rangoon
813 bgs, Penson & Co, Leixoes
926 bgs, National City Bank, Leixoes
500 bgs, Lisbon
WOOL GREASE—54 dms, N I Malmstrom, London
2 dms, Chemoleum Corp, London
YLANG YLANG OIL—6 dms, Norda Essential Oil & Chemical Co, Marseille
ZINC CHLORIDE—12 dms, Riches Nelson, Antwerp

Baltimore

EPSOM SALT—600 bgs, Interstate Chemical Corp, Bremen
FISHMEAL—2,043 bgs, Jacoberg Overseas Inc, Safi
642 bgs, Albumina Supply Co, Safi
1,325 bgs, Albumina Supply Co, Casablanca
3,400 bgs, Albumina Supply Co, Agadir
2,000 bgs, Lindfors Chemical Co, Agadir
2,000 bgs, Lindfors Chemical Co, Safi
PEATMOSS—600 bls, New Amsterdam Import Corp, Bremen
1,695 bls, Premier Peatmoss Corp, Bremen
SODIUM BISULPHITE—210 kgs, American Cyanamid Co, Genoa
UREA—1,000 bgs, Genoa

Boston

ANILIN DYES—5 dms, Industrial Sales Corp, Antwerp
CASEIN—1,100 bgs, Guaranty Trust Co, Rotterdam
480 bgs, Tupman Thurlow, Buenos Aires
DEXTRIN—200 bgs, Rotterdam
GELATIN—718 bgs, Nicholson & Co, amburg
15 bbls, Coignet Chemical Co, Antwerp
711 bgs, First National Boston, Rotterdam
GLUE—110 bgs, Nicholson & Co, Hamburg
97 bgs, Nicholson & Co, Antwerp
882 bgs, First National Boston, Rotterdam
KIESELGUHR—1,980 bgs, Johns Manville Corp, Bordeaux
LOCUSTBEAN GUM—50 bgs, H P Rossiger & Co, Antwerp
OLIVE OIL—100 dms, First National Boston, Malaga
52 dms, Second National Boston, Malaga
PAPRIKA—100 bgs, Alicante
PEATMOSS—400 bls, Premier Peatmoss Corp, Bremen
POTATO STARCH—2,000 bgs, Rotterdam
TANNING EXTRACT—40 bgs, Chemicals Export Corp, Antwerp
TITANIUM DIOXIDE—220 bgs, Chase National Bank, Rotterdam
UREA—1,500 bgs, Genoa

Los Angeles

CALCIUM NITRATE—49,000 bgs, Wilson & Geo Meyer Co, Heroya
CASEIN—649 bgs, Antwerp
CHILLIES—50 bgs, Hismoco American Co, Kobe
CINNAMON QUILLS—23 bls, W J Byrnes & Co, Colombo
COPRA—500 long tons, American Trust Co, Legaspi
500 long tons, Vegetable Oil Products Co, Gasan
500 long tons, Vegetable Oil Products Co, Tabaco
500 long tons, Pacific Vegetable Oil Corp, Siain
500 long tons, Vegetable Oil Products Co, Inc, Siain
CAKE—6,720 bgs, Balfour Guthrie & Co, Manila
6,720 bgs, Wilbur Ellis Co, Manila
635 bgs, East Asiatic Co, Bangkok
2,240 bgs, Atkins Kroll & Co, Manila
2,000 bgs, Pacific Vegetable Oil Corp, Manila
18,000 bgs, Balfour Guthrie & Co, Cebu
CODLIVER OIL—10 dms, Nutro Dog Food Co, Bergen
FISHMEAL — 2,174 bgs, Lindfor Chemical Co, Chimbote
FLOURSALT—400 bgs, Henry Sundheimer Co, Copenhagen
GLYCERIN—20 dms, International Packers Ltd, Sydney
PETROLEUM, CRUDE—34,113 tons, Standard Oil Co of Calif, Sidon
PAPRIKA—75 bgs, Hismoco American Co, Valparaiso
PEPPER—160 double bgs, E A Johnson & Co, Djakarta
POLLACKLIVER OIL—50 dms, Van Camp Sea Foods, Yokohama
SEEDLAC—280 bgs, East Asiatic Co, Bangkok
200 bgs, Getz Brothers Co, Bangkok
SHARKLIVER OIL—50 dms, Van Camp Sea Foods Co, Yokohama
UREA—2,204 bgs, Antwerp
10,925 bgs, Wilson & Geo Meyer Co, Heroya
VANILLA BEANS—45 cs, William Diamond & Co, Papeete
WHITING—800 bgs, East Asiatic Co, Copenhagen
FISHMEAL—1,000 bgs, Lindfors Chemical Co, Agadir
LOCUSTBEAN GUM—200 bgs, Genoa
PEATMOSS — 555 bls, Premier Peatmoss Corp, Bremen
1,161 bls, W M Stone & Co, Bremen
UREA—500 bgs, Genoa

Philadelphia

ASBESTOS FIBER—1,660 bgs, Keasby & Mattison, Lourenco Marques
179 bgs, John Holt & Co, Durban
CHINA CLAY—3,800 tons, Fowey
CRESYLIC ACID—99 dms, Concord Chemical Co, Manchester
100 dms, Glasgow
FUEL OIL—75,000 bbls, Socony Vacuum Oil Co, Curacao
GYPSUM—5,844 tons, U S Gypsum Co, Hantsport

—*Continued on page 79*

Textile and Leather Chemicals

While trading in textile and leather chemicals was still spotty last week, consumers showed an active inquiry for prompt and later delivery. Market continued on a steady basis, with higher prices noted for egg yolk, which was raised 5 cents per pound, due to sharply reduced available stocks because of the delayed production for the new season. Blood albumin was cut 3 cents per pound, as a result of lower cost of raw materials. Sumac leaf was firmer, shipments were lifted $5 per ton.

Inquiry for bichromates and other chemicals in this group continued keen for delivery during the first quarter. New contracts have been booked at current quotations.

Users of sizing materials continued to absorb a steady volume against former orders. Paper mills were busy, some working three shifts, absorbing heavy quantities while demand from the textile industry was still spotty. Imported potato starch continued in good inquiry for prompt and forward delivery. The scarcity of Brazilian tapioca flour here and for shipment resulted in increased inquiry for replacements from Java.

Trading in tanning materials was still limited, though tanners showed moderate inquiry for replacements. Primary markets remained steady for all varieties at prevailing prices, especially quebracho extract and wattle bark and extract.

Yarn and fabric consumption in November by knitwear makers amounted to 13,600,000 pounds, some 14 percent less than in October, but 22 percent above November, 1951, according to the Census Bureau. Shipments of knit cotton and wool underwear and night wear totaled $28,600,000, down 10 percent from November last year. Shipments, which include knit outwear, also showed a decline of 20 percent, compared with October. November production was lower than during October, but slightly higher than November last year.

Price Trends

Advanced

Egg yolk, 5c. per lb.
Sumac leaf, $5 per ton.

Reduced

Blood albumin, 3c. per lb.
Tallow, sulphonated, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 18, 1952
102.12	101.15	101.15	101.93

(For Current Prices see page 9)

Chemicals

Acetic Anhydride—Consumers continued to take moderate quantities against former orders. New business was reported spotty. Market was steady at current quotations.

Bichromates — Deliveries against contracts moved in steady volume. Demand for spot stocks was confined to actual needs. All grades were maintained at former levels.

Sodium Acetate—Steady conditions were noted in this material, though buying lacked snap and confined for actual needs. Prices were without change.

Sodium Hydrosulphite — Withdrawals against orders continued active, while new business was spotty. Quotations were well held at prevailing levels.

Sulphonated Oils—Prices of all varieties were without change and steady, except sulphonated tallow, which was off fractionally with the lower cost of the basic material. Demand was still restricted to actual requirements.

Sizing Materials

Blood Albumin—Lower cost of raw materials resulted in a price reduction of 3c. per pound for 200-pound drum quantities, while smaller lots were quotably unchanged. Schedule for drum lots was reduced to 67c. per pound, and smaller quantities were maintained at 80c. per pound, as to quantity.

Corn Dextrin—Trading continued spotty, chiefly for prompt needs. Market remained steady and all grades were maintained at current quotations. Gum was quoted at $8.95 per 100 pounds, paper bags, carlots, New York delivery; canary, $8.69; dark, $8.79, and white, $8.53, same basis. Less carlots were 15c. per 100 pounds more.

Corn Starch—Demand was reported fair and still confined to immediate needs. Prices were well held at former levels. Pearl was quoted at $7.14 per 100 pounds, paper bags, carlots, New York, and powder, $7.26, same basis. Less carlots were 15c. higher. Visible corn supply continued to drop and was off 2,303,000 bushels to 51,478,000 pounds for the week ended January 9, compared with 36,990,000 pounds for the corresponding week last year, according to Chicago Board of Trade.

Egg Albumen—The market was steady and quotably unchanged. Trading was reported fair, as consumers limited demand to actual needs. Flake was maintained at $2.61 to $2.63 per pound, and powder at $2.65 to $2.67 per pound, according to quantity. Technical also was steady and in moderate request. Prices ranged from $1.01 to $1.08 per pound, as to seller.

Egg Yolk—Yolk was firmer due to delayed breakage of eggs for the new season which has sharply reduced supplies on spot. Prices were lifted 5c. per pound, and limited stocks were held at $1 to $1.02 per pound, depending upon quantity. Some sellers were unable to offer.

Potato Starch—A steady tone continued to feature this market. Consumers continued to show a good inquiry for later requirements and absorbed a good volume of material against former orders. Domestic starch was scarce and merely nominal, while imported was available for prompt and forward delivery at unchanged prices. Danish was quoted at 8.60c. per pound, carlots, exdock, duty paid New York and 9.10c., Pacific coast delivery. Dutch was unchanged at 8.85c. to 8.90c. per pound, as to packing, same basis. Imported on spot ranged from 9¾c. to 10½c. per pound, exwarehouse as to quantity while small lots of domestic were held at 12c. per pound, same basis.

Rice Starch—Small lot trading was noted for spot delivery. Prices were unchanged at 15c. to 17c. per pound, depending upon quantity and quality.

Sago Flour — This market remained steady. Stocks on spot were not liberal and held at former levels. Raw was quoted at 7½c. per pound, and refined, 9c. to 9¼c. per pound, exwarehouse, as to quantity.

Tapioca Flour—With Brazilian flour in limited supply, increased interest was noted in replacements from Java. Shipments from Java were steady. Grade A was quoted at 9¼c. per pound, carlots, exdock; AA, 9¾c. and AAA, 10¼c., same basis for March arrival. Small lots of Brazilian flour on spot were quoted nominally from 14c. to 20c. per pound, depending upon seller and buyer.

Tanning Materials

Chestnut Extract — Tanners continued to take moderate quantities for prompt delivery. Supplies were not heavy and closely held at prevailing quotations. Extract 25 percent tannin was quoted at 4¼c. per pound, tankcars, f.o.b. works and 5.1c. per pound, barrels, carlots, same basis.

Cutch—This market continued firm and offers for shipment were maintained at 8¼c. per pound, exdock, plus duty.

Mangrove Bark—While inquiry for replacements was still light, the market held steady. Shipments of Colombian bark were unchanged at $60 per ton, exdock and Ecuadorian at $57.50 per ton, same basis. African also was well held at $79 to $80 per ton, exdock.

Myrobalans—Business was slow, but prices were unchanged at current levels. JI's were held at $45 per ton, ex-dock; assorted at $48 per ton, and crushed, $65 to $66 per ton, same basis.

Quebracho Extract — Buying interest was quiet for replacements, but was expected to improve shortly. Primary market continued firm and unchanged. Solid ordinary was quoted at 11 31/64c., per pound, carlots, exdock, and clarified, 12 3/16c. same basis, plus duty.

Sumac Leaf—Shipments were firmer and light sales were reported at $115 per ton, an advance of $5.

Valonia—Offers for shipments were well held at current quotations, despite quiet trading. Beards were quoted at $85 per ton, exdock and cups at $64 per ton, same basis. Extract was held at 9½c. per pound, exdock, plus duty.

Wattle — Tanners interest in replacements was still slow, but the primary market was steady and shipments were maintained at former prices. Fair average was quoted at $104 per ton, exdock and merchantable, $100 per ton, same basis, South African extract was unchanged at 11½c. per pound and East African, 10⅞c. per pound, exdock, plus duty.

For Late Market Developments, See Page 4

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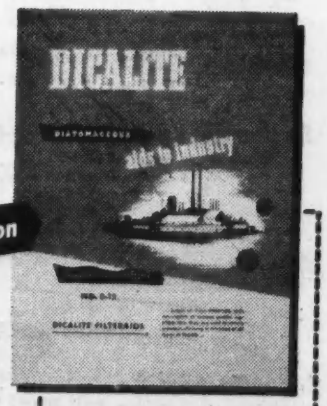

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The most substantial advance during the period came in cassia buds where the gain in value was almost sensational. Cassia spice from Batavia and Saigon showed a rising trend in spot prices and a declining development with respect to stocks. Some Argentine coriander seed reappeared on spot and became available at an advance over prices last paid. Imported sweet basil was available only in the afloat position and then only at a sharply upped price.

On the down side of flavoring materials the quotations on green cardamom from Alleppey and Ceylon caved in rather precipitously. The other changes were in cents or fractions of that lowly coinage with the exception of Madras tumeric root which was some substantially.

Drug items were mainly steady to firm in price because of the adverse supply situation and regardless of light demand. However, cottonroot bark, digitalis leaves, dried raspberries, Nigerian ginger, and Peru balsam were shaded.

Balsams

Peru—The attempt to get the market up to $1.40 per pound seems to have been short lived. The house who went to that limit during the previous week returned to $1.35 last week. The range remained to $2, as to seller and quality.

Tolu—Prices hardened at $3.25 per pound, which was confirmed as the minimum of the market last week. It was felt that the market would not go under that price in the nearby future. The range was to $4.25 as to supplier and quality of material priced.

Barks

Cottonroot—Inactivity in the market and a somewhat favorable supply position in certain quarters led spot prices downward to the basis of 24c. to 25c. per pound. Sales volume has been small and entirely routine for some time.

Lemon Peel—So far as could be observed, replacement arrivals have been light over a substantial period of time and that fact alone has been sufficient to give a very firm tone to a not too active spot market.

Orange Peel—This item was in practically the same position as lemon peel when it came to replacement arrivals and current sales. Undertones were very firm last week and some quarters have even tried out a higher level of spot prices.

Beans

Vanilla—Importers and dealers alike reported very firm prices and exceptionally steady market undertones last week. Although demand was rather routine in character, the situation with respect to unsold stocks now on spot and the cost of further supplies from primary markets proved sufficient to keep prices showing evidence of basic strength at this time. With less vanilla apt to come from origins this year, most factors believe that 1953 will be a year of strength and possible advances in quotations in all markets.

Berries

Cubeb—The market was firm, not subject to price shading, and apparantly destined to remain at current price levels unless a change in the replacement position shall develop. Demand was about normal, remaining at the level at which lessened consumption has established the item.

Raspberries—The market for dried berries was, apparently, $1.30 per pound for no reason other than current stocks were limited in size and cannot be increased earlier than the new crop of berries this year. Consumption of dried fruit has dropped since the development of quick freezing of fresh material. Needs seemed well protected.

Flowers

Malva—Interest in the article has been relatively small over a substantial period of time and signs at this time do not suggest an early expansion in the requirements of manufacturing consumers who still find use for the item. Prices were very steady since there was virtually nothing to undermine that position.

Mullein—Prices remained at $2 per pound, minimum, and although movement to buyers was along jobbing lines, conditions suggested that values would continue to be well maintained for an indefinite period of time; at least until replacement cost shall be substantially lower than the present level.

Gums

Aloe—Not all dealers have met recently established price minimums in this market. However, the undertone was admitted to be slightly—very slightly, in fact—easier and conditions at the origins do not suggest downward price movements that would be substantial in character.

Locustbean—If textile business shall show major recovery this year, it may well be that the movement of this item into consuming channels will rise sufficiently to eliminate the price weakness that has featured the spot market for many months. At the moment, market is merely a hope, not a reality.

Roots

Althea—A slight rise in interest came in one quarter but for the most part demand remained along jobbing lines and few opportunities to sell presented during the past week. Because of replacement conditions, spot prices were firm.

Belladonna—Though stocks were not of excessive size, they were still sufficient for requirements of the volume reaching the spot of late. Most buyers carried stocks covering their present needs and, consequently, sales volume remained on the low side locally.

Blood—Though not a great deal of in-

For Late Market Developments, See Page 4

Price Trends

Advanced

Drugs

None

Other Articles

Cassia, Batavia, cuttings, ½c. per lb.
Canton rolls, broken, 10c. per lb.
Saigon, broken, 4c. per lb.
medium, 5c. per lb.
thin, 5c. per lb.
Cassia buds, 60c. per lb.
Clove, Zanzibar, 2c. per lb.
Coriander seed, Argentine, 4½c. per lb.
Fennel seed, French, 1c. per lb.
Oregano, Portuguese, 1c. per lb.
Pepper, black*, Malabar, spot, 7c. per lb.
red, Louisiana longs, 1c. per lb.
Rosemary leaves, French, ½c. per lb.
Sweet basil, imported, 15c. per lb.
Thyme, French, ½c. per lb.

Reduced

Drugs

Cottonroot bark, 2c. per lb.
Digitalis leaves, USP, 5c. per lb.
Ginger root, Nigerian, split, ½c. per lb.
Peru balsam, 5c. per lb.
Raspberries, dried, 10c. per lb.

Other Articles

Cardamom seed, green, Alleppey, 10c. per lb.
Ceylon, 20c. per lb.
Cassia, Batavia, longstick, 1c. per lb.
Cumin seed, Iranian, ½c. per lb.
Fennel seed, Czech, dark, 2½c. per lb.
Marjeram, French, ½c. per lb.
Mustard seed, Montana yellow, oriental, ¼c. per lb.
Nutmeg, East Indies, ½c. per lb.
West India, ¼c. per lb.
Paprika, Czech, 2c. per lb.
Pepper, white, spot, 3c. per lb.
Poppy seed, Polish, ½c. per lb.
Turkish, ¾c. per lb.
Sage, Cretan, ½c. per lb.
Thyme, Spanish, 1c. per lb.
Turmeric root, Madras, 2c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 18, 1952
106.97	106.71†	102.71	118.24

*Obtained too late for index calculation.
†Revised.

(For Current Prices see page 9)

Imports Detained by FDA

Week Ended Jan. 9

New York

Cassia, 12 lots, 335 bales: filthy.
Chillies, 6 lots 873 bags: filthy.
Coriander seed, 330 bags: filthy.
Carobs, 80 bags: filthy.
Fennel seed, 2 lots, 260 bags: filthy.
Molle seeds, 46 bags: filthy.
Marjoram leaves, 3 lots, 330 bags: filthy.
Nutmegs, 6 lots, 377 bags: moldy and wormy.
Pepper, black, 3 lots, 185 bags: moldy; insect bored; excess sifting and pickings.
Pumpkin seed, 71 bags: filthy.
Squill, white, 185 bags: filthy.
Valerian root, 33 bales: filthy.

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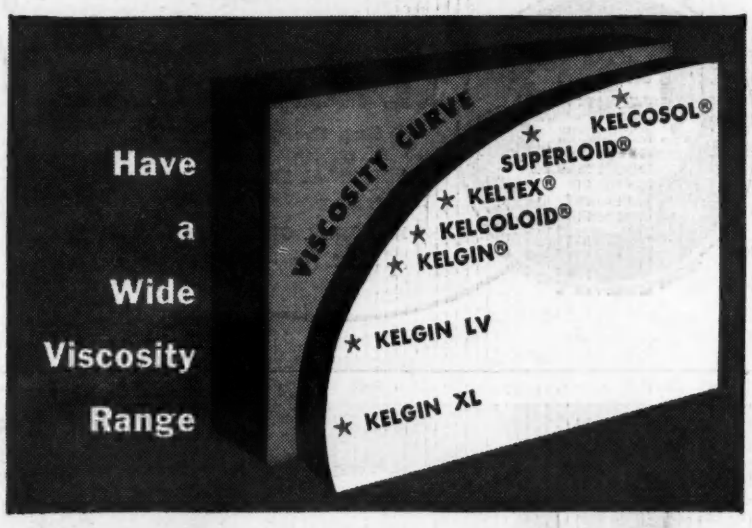

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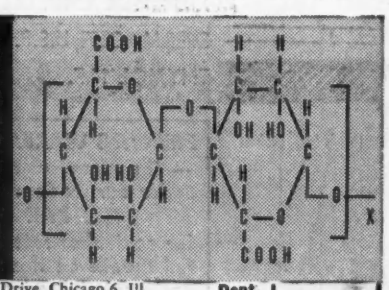

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terest prevailed, prices seemed to have a steadier position. At least, no one in this market was disposed to reduce quotations in what probably would be a vain effort to stimulate buyers to activity. Stocks will cover probable needs until new crop.

Gentian—Arrivals on this market have been insufficient in quantity to undermine what has been a very steady price position for some time past. Much of the merchandise landed has gone out promptly against existing contracts.

Golden Seal—If potential buyers will buy untested, unguaranteed root, they will find some holders disposed to accept any reasonable bid. But if the buyer expects the seller to stand back of his delivery with a guarantee that means what it says, then purchasers will find sellers who are able to offer such a guarantee generally firm in their price views.

Jalap—Consumption has been about normal for some time past and although there was not much new business in the market last week, contract buyers were taking tenders with a reasonable degree of promptness. This made for the steady prices that prevailed on the spot.

Poke—Collection was very small last year but carryovers seem to supply the limited requirements of manufacturing consumers who still held better than fair-sized inventories.

Turmeric—Madras root on the spot was down sharply to 10c. to 11c. per pound because of arrivals from the origin via European ports. Other varieties of this root held unchanged.

Seeds

Anise—Some jobbing business was reported, mainly in Czech seed which was available around 12c. per pound. Other varieties received little attention from buyers. Star anise was virtually unobtainable on the spot.

Cardamom—The only price changes in this group were declines in quotations on Alleppey and Ceylon green cardamom. Alleppey became $1.70 per pound. So did Ceylon material. Bleached and decorticated goods were steady.

Coriander—Argentine seed returned to this market and became available on a firm basis at 13c. to 13½c. per pound. Other varieties showed no new developments.

Cumin—Iranian seed was a fraction lower at 17½c. to 18c. per pound. Other varieties held unchanged. Sales were very few and will remain so until South America returns to the spot market for replacement supplies.

Fennel—Light Czech seed was shaded to 17½c. to 18c. per pound under the impetus of wider, more aggressive price competition. French seed was higher at 30c. Indian seed was easier in the forward positions and futures were offered at 18c. to 19c. per pound.

Poppy—Polish poppy seed was down to 15c. to 15¼c. per pound and Turkish was also shaded to 12¾c. to 13c. Dutch seed remained at 16c. to 16½c. Demand was routine.

Spices

Cassia—Considerable price shifting was noted in this group of comparatively scarce varieties of spice. Batavia cuttings were higher at 18c. to 18½c. per pound and longstick was 22c. to 23c. Canton rolls ranged widely from 35c. to 40c. per pound and the selected broken variety of that article was higher at 33c. to 34c. when some small lots came out of hiding. Medium Saigon cassia now afloat was raised to 50c. per pound. No thin was known to be available but would probably fetch around 55c. Broken Saigon was raised to 46c.

Cassia Buds—Very small lots that had been held off the market for one reason or another have popped into sight. The latest lot so to come into the market carries the price tag of $1.65 to $1.70 per pound. Coming from China, no more can be imported direct. Only secondary markets with Red China connections can get the item.

Clove—Spot quotations on Zanzibar material were upped to the basis of $1.60 to $1.62 per pound. The tendency was to make $1.62 the minimum asking price. No Madagascars were obtainable.

Ginger—Nigerian split root was dropped fractionally to 10½c. to 11c. per pound. All other varieties held to inert prices. Everything points to a higher market, especially with respect to the effect of a general drop in world production which is believed certain this year because of the debacle in all prices during 1952.

Pepper—Black pepper on spot was up to $1.15 per pound at midweek following absortion of about two tons on the basis of $1.13. Informed quarters felt that in 1953, purchases at or around $1 per pound would be entirely safe investments and most operators were disposed to be bullish on black pepper at the prices prevailing last week. As to futures, Malabar for January shipment was $1.10; February, $1.08 to $1.09; Malabar-Lampong for arrival in mid-January, $1.12 to $1.13; late January, $1.11 to $1.12. Japanese hontaka chilled were shaded to 48c. to 50c. per pound and Louisiana lots were nominal at an advance to 45c. White pepper was down to $1.43 for spot and $1.39 for January shipment.

Friday quotations on black Malabar pepper, spot, were $1.17 per pound. January shipment, $1.12 to $1.13; February shipment, $1.10 to $1.11.

ACTH in Purified Form Being Offered by Breon

George A. Breon Company, New York, has announced that a purified form of adrenocorticotropic hormone (ACTH) is now being offered to doctors, hospitals and the drug trade under the trade name "El-Acorto Gel." It supplements the firm's previously introduced ACTH preparation, "Ocorto Gel."

The chief advantage of the purified product, it was said, is that it is more easily liquefied at lower temperatures than the regular ACTH in the depot preparation. Breon noted that "El-Acorto Gel" contains virtually no foreign material and, consequently, will remain "flowable" at appproximately room temperature.

Ciba Appoints Dr. Schlittler

Dr. Emil Schlittler, international authority on the chemistry of alkaloids, has been appointed director of chemical research for Ciba Pharmaceutical Products, Inc., Summit, N. J.

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Essential Oils, Other Aromatics

Price changes were heavily on the downward side in the essential oils and aromatic chemicals market. The most significant reduction, although not the largest, was in orange oil, as the Exchange Brand California coldpressed and distilled oils were drastically lowered. Florida orange oil prices moved downward, also. The market for orange oil has been weak for some time and the week's reduction revealed a continuation of the recent trend. With supplies extremely high and demand on the sluggish side, no recovery was in sight and the market seemed certain to remain highly competitive.

The largest price reduction was made in angelica root oil, while seed oil showed a weaker tone as well. The oil remained in the high priced category in spite of the considerable reduction and it was as a result, one of the less important oils from the consumers' point of view. Dalmatian sage oil moved into a somewhat easier position although a good inquiry indicated that further reductions would not be likely. Eucalyptus oil remained in its recently weaked position and was reduced slightly. Demand was reported as no more than routine for the season and a tone of continued weakness was expected.

Brazilian bois de rose was again lowered in price, continuing the trend in evidence for the past months. Although the Brazilian government has maintained a price floor for exports of the oil, it continued to be available on spot and for future delivery at prices well below the floor price. Distilled West Indian lime oil was offered from one source at a price under that prevailing earlier and cajeput, coriander and birchtar oils were also lowered. The index reflected these reductions by falling 3.35 to stand at 163.65.

Apricot kernel oil continued to show a firm tone as prices from the country edged forward. A good interest in this oil has been reported. Grapefruit oil prices advanced from their already strong position as tight supplies showed no sign of easing. Dillweed oil was increased although the position of this oil remained fairly easy, largely because of a seasonally lower demand. Aromatic chemicals remained steady and showed no significant price changes. Supply was no problem for the greater part of these materials as production was maintained unhampered.

Price Trends

Advanced

Oil, apricot kernel, 3c. per lb.
Dillweed, 50c. per lb.
Grapefruit, 45c. per lb.
Juniper berry, 25c. per lb.
Pennyroyal, USP, imp., 25c. per lb.
Rue, 30c. per lb.

Reduced

Oil, angelica root, $25 per lb.
Birchtar, rectified, 5c. per lb.
Bois de Rose, 15c. per lb.
Cajeput, tech., 35c. per lb.
redistilled, 5c. per lb.
Coriander, 50c. per lb.
Eucalyptus, 70-75%, 10c. per lb.
80-85%, 5c. per lb.
Lime, dist., WI, 75c. per lb.
Orange, sweet, dist., 10c. per lb.
expressed, Florida, 20c. per lb.
Sage, Dalmatian, 50c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 18, 1952
163.65	166.00	169.10	179.03

(For Current Prices see page 9)

Essential Oils

Angelica—Root oil was offered during the week at $90 per pound, a price that was $25 under the previous minimum offer. Other quotations remaining in effect ranged up to $120 per pound. Seed oil was offered at prices ranging from $50 to $55 per pound, a considerably narrowed range than formerly in effect. Both root and seed oils were reported available in quantities ample for the current requirements of the market.

Anise — Prices ranged upward from $2.25 per pound for whatever oil could be found available on the market. Supplies became increasingly tight as replacement remained impossible to obtain. Like other oils of Red Chinese origin, the embargo on importation of anise has had the inevitable effect of gradually tightening the market.

Apricot Kernel — A stronger tone has been noted of late and led to an increase during the past week of 3c. in the minimum quotation of 34c. per pound. The feeling in the country has been firmer of late, largely because of a continued good inquiry and somewhat limited supplies of the oil. A continued firm position was indicated.

Bergamot—The position of the oil remained unsettled during the past week as prices gradually worked downward. Trade sources reported that the full effects of the lowered exports floor price would not be felt until the end of the month, largely because most of the oil available on spot represented the former higher prices. Further reductions were expected as prices worked downward. The availability of the oil was expected to show some improvement as new crop oil appeared on the market.

Bois de Rose—Recent price reductions have lowered the oil considerably underneath the price floor of $4 which the Brazilian government has attempted to maintain. Spot offers during the past week put the price as low as $3.35, down by 15c. from the previous low offer. The oil was reported available in large quantities for export from Brazil, indicating that no immediate reversal in the downward trend of prices would be forthcoming.

Cajeput—Both the technical and redistilled oil were offered at decreased prices during the past week. Technical was quoted upward from $1.35 per pound, a decrease of 35c. Redistilled oil prices began at $2.25, indicating a reduction of 5c. The oil was offered in amounts ample for most current inquiry, which has shown no sizable changes in past weeks.

Cassia—One dealer formerly carrying the oil has reported depleted stocks and ceased quoting prices of even a nominal class. This development was significant of the market trend for this oil, which has become increasingly difficult to obtain. With replacement from China completely shut off, no improvement in the situation appeared possible in the foreseeable future.

Citronella—The price situation remained essentially unchanged during the past week as price movements brought no overall change in the position of the oil. Supplies of the oil were high enough to satisfy most inquiry easily and prices remained in their depressed position. Ceylon was priced upward from 55c. and Java-type from 45c. Java oil has shown least price movement of all types and during the past week was offered from $1.10 per pound. Some strengthening in prices was reported imminent in trade circles, but no sign of it was noticeable during the past week.

Clove—The clove harvest in Zanzibar and Pemba for the last quarter in 1952 amounted to a total of 1,572,712 pounds, it has been reported by the Zanzibar Clove Growers Association. This figure is considerably under the total of 2,028,143 pounds picked during the same period in 1951. Of the quantities shipped during the quarter, twenty percent went to the United States, while the largest amount, fifty seven percent, was shipped to Singapore. The figures were of interest in this country because of the extremely high price of clove oil. Quotations ranged upward from $9.50 per pound during the past week, and some of these were merely nominal, production curtailed in some quarters because of the extremely high cost of the raw material. Latest reports in the trade have shown no indications of possible reversals in the upward trend and it appeared that the oil would remain in the high priced category for at least the immediate future.

Eucalyptus — The tendency toward weakness reported some weeks ago was again demonstrated in the past week as price reductions were effected. The 70-75% oil was lowered by 10c. per pound, offered from 75c. and 80-85% oil declined 5c. when an offer of 75c. was quoted. Demand was reported in the trade as no more than routine for the season and continued weakness was expected.

Garlic—As one of the scarcer items on the market, the oil showed no sign of easing. Shipments from Egypt has been reported as scant, and have been far less than the requirements of the market in this country. Reports on the import price indicated that further advances on whatever oil was obtainable would be unavoidable in the near future.

Geranium—Prices for both Algerian and Bourbon oil remained unchanged during the past week. Both types of the oil were offered from a minimum price of $12 per pound. The prices for Algerian, however, extended over a wider range. No extensive changes in the position of the oil was expected in the trade for the immediate future.

Grapefruit—Supplies remained tight,

For Late Market Developments, See Page 4

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showing no tendency toward easing during the past week. Although the oil has been in no greater demand than usual, those consumers requiring it found difficulty in filling their needs. Prices took a stronger turn, advancing some 45c. in the past week. The market's low quotation stood at $2.85 per pound, with other quotations ranging somewhat higher. No immediate easing in supplies appeared likely and demand appeared to be holding steady.

Lemon—A firm position characterized the oil as no significant change was noted in either the price or supply picture. Users found great difficulty in obtaining their requirements from the currently tight supplies available. Prices ranged from $5.65 to $6 per pound, depending upon brand. The market showed every sign of remaining without significant changes during the forthcoming weeks.

Lemongrass—Currently in a stronger position, the oil showed no further gains in the past week. Some improvement in the price situation developed during the last quarter of 1952 and these gains were held. Supplies of the oil, however, have remained easily sufficient for current inquiry and reports in the trade showed that consumers would remain in a favorable position in obtaining their requirements.

Lime—A decrease of 75c. was effected in the price of distilled West Indian oil as one dealer offered a quotation of $6.25. Other offers ranged considerably higher than this. Expressed West Indian was offered from $7.85 per pound. Mexican oil, distilled, was priced upward from $6. Recent inquiry has been reported as very little above normal demands and was filled without difficulty.

Orange—The price structure of California expressed oil was drastically weakened when the price of Exchange Brand oil was lowered from $1.75 to $1 per pound. The reduction, announced at the beginning of the week, indicated the current weak position of the oil. Supplies have been far more than adequate to meet needs over the past months and have resulted in extensive surpluses. Adding to this buildup in material was the decreased demand noted in the trade in past months. The combination of these factors has put the oil in its drastically weakened position. Florida oil was available as readily as California and at comparable prices during the past week. California sweet distilled oil was lowered at the same time during the week, the Exchange Brand price going from 80c. to 70c. per pound. Improvement in the situation was expected to come slowly and to be a very gradual process, according to trade observers. Italian oil contrasted with domestic in its price range, and was offered during the week from $4 and up. Shipments were held adequate for the relatively limited demand. Sesquiterpeneless oil has reflected the weakened price structure and has gradually worked downward. The current price range extended from $150 to $155 per pound.

Sage—A 50c. reduction was effected in the minimum quotation for Dalmatian oil, bringing it down to $7 per pound. This reduction continued the trend of recent months during which a series of reductions has been made in the price of the oil. In spite of this trend, however, trade circles reported a fairly firm tone for the oil and held that it could be expected to maintain its current position without extensive changes. Clary oil was unchanged in the week just past, offered, from $20. Spanish oil was priced from 90c. per pound.

Snakeroot—Production figures for this specialized oil indicated that the recent yield reached a level that would comfortably satisfy most market requirements. As an oil finding only special application, demand normally remains limited. Production was maintained at levels close to this demand. An offer of $31 per pound has been the market's lowest recently and during the past week higher offers were reduced in order to meet competition.

Spearmint—Prices ranged upward from $7.75 per pound and showed considerable strength in the face of limited supplies. Very little oil remained unsold from the latest crop. Demand continued very active and was expected in the trade to continue so during most of the period before the next crop, indicating that there would be little weakening in the position of the oil. The development of new products using the oil has helped to strengthen its position, largely by producing a year around demand.

Aromatic Chemicals

Citral—An unhampered production put the material on the market in quantities sufficient for all current demand. Due to the easy supplies of lemongrass oil, this derivative was likely to occupy a position of ample supply for a considerable period. Although some strengthening in prices and supplies of lemongrass has been noted of late, the trend had not been sufficiently marked to affect the aromatic derivative.

Citronellol—The material was offered at a price range of $1.75 to $2.40 per pound and was available in quantities sufficient to satisfy most consumers' needs without difficulty. This position of favorable prices and supplies was due to the easy position of citronella oil, and was due to remain in effect for at least the immediate future.

Eugenol—The material was available at prices recently lowered, offering an advantage to the consumer over the former price level. Quotations ranged from $2.25.

Heliotropine—A satisfactory rate of production has been maintained, keeping the material in ample supply. Consumers were able to obtain the amounts they required with little or no difficulty, and found the material at unchanged prices. Quotations ranging upward from $3.10 per pound were offered in the week just past.

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Protective Coatings Materials

Price schedules of antimony oxide were reduced last week in order to meet foreign competition. Lead oxides came down another ½ cent as a result of the reductions in metal. All producers came in line with the new contract price for iron blues which were announced earlier in the year. Schedules for zinc dust came down last week as a reflection of the price movement in slab zinc. One grade of soluble dried blood was reduced. Red vermilion quicksilver was reduced 2c.

The lead metal reduction did not effect prices of the rest of the pigments last week, or the leaded grades of zinc oxide. Zinc pigments were unchanged from their previous schedules. Lead oxides affected by metal revisions included red lead, litharge, orange mineral, and lead monosilicate.

Synthetic resins have been moving along at the same good pace. Demand for alkyds was good. Producers were moving the material at a good clip. Demand was back at the same levels at which it was prior to the temporary slowdown in buying just before the yearend inventory problem began to show itself. Maleics have been enjoying a good demand from the furniture trade. Supplies were good enough to accommodate consumer's needs. Phenolics have been moving at approximately the same pace. Demand was sustained at a fairly high level. Producers looked for a generally good sales period for synthetic resins.

There has been no particular change in the market for shellac. Importers reported fair activity, but prices have held to the same levels. The Calcutta market had been a little firmer, but it levelled off and held to its position. The natural gums have not changed significantly. Importers were looking for some improvement in buying levels. The market for casein in Argentina was reported to be firmer, but there was no great change in prices quoted here. There was some local buying interest from the mills, but the amount of material actually moving has not been too high.

Price Trends

Advanced

Iron blues, 5¼c. per lb.

Reduced

Antimony oxide, 2½c. per lb.
Blood, dried, soluble, ½c. per lb.
Lead, monosilicate, ½c. per lb.
Red, ½c. per lb.
Litharge, ½c. per lb.
Orange mineral, ½c. per lb.
Red vermilion quicksilver, 2c. per lb.
Zinc, dust, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 18, 1952
88.44	88.44	88.44	101.19

(For Current Prices see page 9)

Prime Pigments

Antimony Oxide—A 2½c. per pound reduction was effected by most producers on Wednesday of last week. Competition from European countries, particularly Belgium, was said to be the background for the decrease.

Current quotations of various producers' schedules were within the range of 27½c. to 36c. per pound in carlots, and 29c. to 39½c. per pound in less than carlots. However, the majority of producers were quoting the lower figures in the range.

Blue Alkali—Price schedules of the litho flushed toner came down 5c. on the outside of the price range as other producers have come down to the previously established level. Current quotations of litho flushed were between $1 and $1.05 per pound. The dry material was currently quoted within the range of $1.80 and $1.90 per pound.

Iron Blues—All producers came up to the 45c. per pound level by last week for contract quotations of blue Chinese, Milori, insoluble Prussian, and soda, C.P., bronze material. The change in schedules represents a 5¼c. increase of prices, some of which were effective in the first week in January and others became effective January 15. The price schedules of soluble Prussian blue remained at 48c. per pound.

It was reported that imported material from England was currently available at a range of 39c. to 41c. per pound on a delivered basis. Both soda and potash material were available at that price. The current price of the imported grade represents an advance of 2c. per pound, effective January 15.

Lead Monosilicate—Changes in the metal brought the schedules of this oxide down ½c. per pound early last week. The current levels were at 15.1c. per pound in carlots, and 16.1c. per pound in less than carlots.

Litharge—The drop in pig lead was reflected in a similar reduction of ½c. per pound in this oxide's price. Current quotations were at 15¾c. per pound in carlots and 16¾c. per pound in less than carlots.

Lead, Red—The price of this oxide was reduced ½c. per pound last week. Current quotations of the 95 percent material were at 16¾c. per pound for carlots. The material, 97 percent Pb_3O_4, was 17c per pound in carlots, and 98 percent was 17¼c. per pound. Less than carload prices were 1c. per pound higher.

Orange Mineral—A reduction in pig lead early last week was reflected in schedules of this oxide. Current quotations of less than carlot quantities were at 20.1c. per pound.

Red, Vermilion, Quicksilver—The price of this material was reduced 2c. per pound last week, reflecting the trend of mercury.

Zinc Dust—The price of this material was reduced ½c. per pound last week reflecting the trend set by slab zinc. earlier. Current quotations were 15½c. per pound in carlots.

Lacquer Materials

Dibutyl Maleate—One producer announced that its production of this plasticizer was now available at 30c. per pound in tankcars.

It was said that dibutyl maleate was intended for use as a chemical plasticizer for polymerization reactions in general, and specifically with vinyl chloride.

Synthetic Resins

The following production information comparing October and September output, in pounds, was supplied by the Tariff Commission.

Production

	October	September
Phenolic and other tar acid resins:—		
Laminating resins	7,505,585	6,353,318
Adhesive resins	4,417,861	*4,339,989
Protective coating resins, unmodified, modified except by rosin	2,621,854	1,840,596
Urea and melamine resins: Adhesive resins	7,419,936	6,507,677
Protective coating resins, straight, modified	2,750,840	2,299,630
Styrene resins:—		
Protective coating resins, straight, modified	6,311,793	6,482,693
Alkyd resins for protective coatings:—		
Phthalic anhydride types: Unmodified	23,029,175	20,399,657
Modified with tar acids, rosin and/or other materals	8,093,053	8,216,117
Polybasic acid types (except phthalic):—		
Unmodified	1,370,043	1,163,272
Modified with tar acids rosin and/or other materials	991,443	944,057
Rosin modifications for protective coatings:—		
Rosin, rosin esters, unmodified (ester gums, etc.):—		
Esterified with glycerol	1,621,987	1,513,497
Esterified with other alcohols	2,227,704	2,453,762
Rosin, rosin esters, modified:—		
Modifications with phenolic and other tar acid condensates	1,389,092	1,630,569
Modifications with maleic and fumaric acids	2,586,022	*3,022,661
All other modifications	814,411	867,188
Coumarone-indene and petroleum polymer resins	16,427,065	14,546,175
Miscellaneous synthetic plastic and resin materials:—		
Protective coating resins (including epichlorohydrin, acrylic, polyester, silicone and other resins)	1,708,167	2,055,590

* Revised.

Alkyds—These synthetics were moving along the same good pace that they have

Protective Coatings Shipments

The following table from the Bureau of Census indicates total factory shipments of paint, varnish, and lacquer in November as compared with October:—

	November	October*
Total sales	$95,868,000	$120,906,000
Trade sales of paint, varnish and lacquer	55,318,000	72,255,000
Industrial sales, total	40,552,000	48,711,000
Paint and varnish	30,489,000	36,808,000
Lacquer	10,063,000	11,903,000

*Revised

For Late Market Developments, See Page 4

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4. Orange shellacs—all grades.

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been going at for the past several months, with the exception of some reduced demand during the last portion of 1952. The slight amount of slowup at the end of the year was largely the result of consumers reducing inventories for the yearend count and to increase the amount of cash they had at that time. Producers were optimistic about the future sales of most synthetics this year.

Maleics—Demand from the furniture trade for these resins has been good. Activity reported by various producers has been at the same general high level. Supplies were adequate for the current levels of consumption. No particular hitches were anticipated in this market, it was said.

Phenolics—The market for these resins has not shown any significant change. Demand has held up quite well. Producers were moving their output of phenolics right along. Supplies were adequate, in most resins, except paraphenyl phenolics.

Natural Resins

The market for gums has not seen much change in the past week. Prices were fairly steady at the low levels to which they dropped during the past year. Importers were looking for some increase in activity this year. Supplies were adequate for the current levels of buying. Consumers have not been buying at a heavy rate, but some importers were reporting fair activity.

Shellac—There have been no price changes in this market. Importers said that there has been a fair amount of material moving. The Calcutta market showed a little firmness during the previous week, but the past four or five days were steadier, a source stated. The market was said to be holding its position at the present time.

Miscellaneous Materials

Blood, Dried—A source announced that one grade of soluble material was reduced ½c. per pound making current quotations for carloads 16½c. to 18½c. per pound. The reductions have come about through lower raw material costs. Less than carload prices remained at the same levels, which were 18c. to 25c. per pound.

Demand for the soluble material from the plywood industry, where it is used in making adhesives, and from the rubber industry, where it is used as a tire "dip," has been low. Inventories have been sufficient to take care of requirements.

Naval Stores

Rosin, Gum
(USDA, per 100 lbs.)

	Fri.	Mon.	Tues.	Wed.	Thur.
F	...	...	...	...	7.65*
G	...	...	...	...	7.70*
I	...	7.55*	...	...	...
K	7.52*	7.55*	7.65*	...	...
M	7.35‡	7.70*	7.65*	...	...
N	7.69*	7.49*†	7.81*	...	7.40‡
WG	7.898*	7.81*‡	7.86*	7.85*	7.81*
WW, X	7.78‡	7.83*‡	7.85*	7.80*	7.95*
Sales, USDA	830*	1,831*	330*	711*	473*

Savannah Exchange (per 100 lbs., dms.)

Receipts	...	90	133	490	72
Shipments	...	...	...	96	6
Stocks	8,163	8,253	8,386	8,780	8,344

New York
(per 100 lbs., c.l., Friday)
B—N $8.30, WG $8.90, WW $9.00.

Turpentine, Gum
(USDA, per gal., 7.2 lbs.)

Price	.536‡	.535†	.535†	.534‡	.535†
Sales	28,000§	16,000§	22,000§	22,000§	1†

Savannah Exchange (dms.)

Receipts	236	293	240	...	64
Shipments	5	187	82	59	105
Stocks	1,742	1,848	2,006	1,954	1,817

New York, Friday, per gal. 7 lbs., tankcars, 63c., l.c.l., 73c.

*Drums. †Tankcars. ‡Bags. ¶Carlots. §Gallons.

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Phila. Paint Technicians Hear Lilley Wednesday

The Philadelphia Paint and Varnish Production Club will hold its next meeting January 21 at 6:30 p.m. at the Engineers' Club in that city. Speaker will be F. A. Lilley, of the pigments department of E. I. duPont de Nemours & Co., who will discuss "The Effect of Toning Agents on the Hiding Power of White Architectural Enamels."

Silicone Materials Plant Expanded by Gen'l Electric

The General Electric Company has announced that expanded facilities for the manufacture of silicone materials have been put into operation at its silicone chemical plant in Waterford, N. Y., and has also announced the development of a new silicone rubber which is said to remain flexible at minus 120 degrees Fahrenheit.

Coincident with the expansion of processing equipment in the silicone plant, it was reported that labaratory services have been doubled and that employment is up 50 percent from a year ago. The company has designated its new silicone rubber "SE-550." This medium durometer rubber, it was said, will have wide application for gaskets and seals of fuselage equipment of high-flying aircraft as well as for wire insulation on ignition systems of arctic ground equipment.

Pratt & Lambert Has New Paint for Masonry

Pratt & Lambert, Inc., Buffalo, New York, has announced a new synthetic rubber base cement and stucco paint, known as "Alkalite." The company stated that the paint is sufficiently impenetrable to keep exterior moisture out, yet porous enough to allow interior moisture to pass through the paint film.

The paint is made with lime-proof pigments, and is said to show excellent adherence when used on asbestos-cement shingles. It is applied directly on the surface with a brush or spray gun and does not require any special primer, Pratt & Lambert stated.

N. Y. PVLA Meets Thurs.

The New York Paint, Varnish and Lacquer Association will hold its annual luncheon meeting Thursday at the Biltmore hotel, New York. A reception will be held at noon, followed by the luncheon, at which Richard L. Tobin, news analyst, will speak on "Washington Review."

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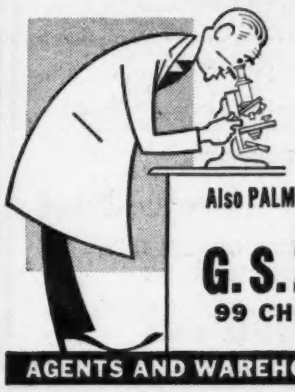
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Enterprise Announces New Odorless Paint Development

Development of a new odorless enamel paint, which is said to resist dust, dirt and grease, has been announced by the Enterprise Paint Manufacturing Company, Chicago. Known as "Odorless Staize-Clene," the new product was developed to solve maintenance painting problems.

The enamel has been formulated to resist moisture, mildew and lactic acid. Patented "Syncon" is the ingredient which makes the surface of "Staize-Clene" resistant of dirt and staining agents. Its almost poreless film remains clean upwards of 90% longer than conventional paint coatings, Enterprise said. The enamel is available in thirty-nine colors and white.

Sun Elects Vultee

Howard Vultee has been elected a director of the Sun Chemical Corporation, Long Island City, N. Y. Mr. Vultee is vice-president of the Marine Midland Trust Company, New York, and vice-president of the Marine Midland Corporation. He is also a director of the Miami Copper Company.

Stabilizer Data Offered by Witco

A technical service report covering the uses and properties of "Witco Stabilizer No. 90," has been made available by the Witco Chemical Company, New York. The stabilizer, Witco pointed out, was developed to meet rigorous specifications for non-toxicity in polyvinyl chloride resins.

Falk Division Manager

Stanley D. Rogaliner has been named manager of resins and fish oils for the Falk Division of Cargill, Inc., Pittsburgh, Pa. Mr. Rogaliner succeeds Louis J. Reizenstein, who plans to spend a portion of his time with other interests, while still serving Falk in a technical and advisory capacity. Mr. Rogaliner has been associated with the company since 1937.

Copies of the publication, known as Technical Service Report S-7, may be obtained from Witco at 260 Madison avenue, New York 16.

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Oils, Fats and Waxes

Buying interest for oils and fats last week, was light and spotty. Edible oils were unsettled until soybeans advanced sharply, which lifted soybean oil slightly and improved the tone of corn and cottonseed oils. Peanut oil continued weak and crude dropped 1½ cents per pound. Stocks in the south were still light, but demand also was inactive.

Coconut oil was firmer and fractionally higher with the stronger copra market. This also raised asking prices for palm kernel oil.

Tallow and greases were easier and off fractionally. Lower grades dropped as well as the better grades due to the slackening of export demand. Domestic buying was confined to moderate quantities at the lower levels. Edible tallow continued weak and has declined 1 cent during the past fortnight. Oleo oil and stearine also dropped fractionally under liberal offerings and slow demand.

Linseed oil developed a steadier tone with firmer flaxseed. Crushers withdrew recent liberal price discounts for carlots business, and quotations were closely held. Tung oil continued weak, declining another 1 cent per pound last week. Light sales were reported at the low level, as buyers awaited further developments.

The suspension of export licenses for shipment of olive oil by the Spanish government resulted in a firmer market. Sellers withdrew offers of oil on the spot and refused business except from regular customers.

Improved demand for carnauba wax on spot from consumers and dealers further reduced available supplies here, and advanced prices sharply, especially for North country, No. 3 crude, which was lifted 5 cents per pound. No. 3, refined advanced 2 cents. Offers of shipments from Brazil continued scarce, with prices well above prevailing levels for spot stocks. Ouricury wax also was up 2 cents per pound, in sympathy with higher carnauba market.

Price Trends

Advanced

Copra, $10 per ton.
Oil, coconut, crude, ⅞c. per lb.
Corn foots, 95%, ½c. per lb.
Cottonseed, 95%, ½c. per lb.
50%, ¼c. per lb.
Olive, 10c. per gal.
Palm kernel, ½c. per lb.
Soybean, crude, ½c. per lb.
Soybean meal, $4 per ton.
Wax, bees, Afr., crude, ½c. per lb.
Carnauba, No. 3, crude, 5c. per lb.
ref., 2c. per lb.
Ouricury, ref., 2c. per lb.

Reduced

Grease, house, ¼c. per lb.
yellow, ½c. per lb.
Linseed meal, $2 per ton.
Oil, castor, Braz. No. 1, ¼c. per lb.
Corn, crude, ⅛c. per lb.
ref., ⅛c. per lb.
Oleo, ½c. per lb.
Peanut, crude, 1½c. per lb.
ref., 1½c. per lb.
Tung, 1c. per lb.
Oleo stearine, ½c. per lb.
Tallow, edible, ½c. per lb.
inedible, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 18, 1952
106.85	106.17	108.22	120.84

(For Current Prices see page 9)

Other Vegetable Oils

Castor Dehydrated—Trading was confined to actual needs. Prices were maintained at former levels.

Coconut—Crude oil was stronger, advancing fractionally to 16¾c. per pound, tankcars, f.o.b. Pacific coast for nearby shipment. Trading was light and restricted to actual needs. At New York, nearby delivery was quoted at 17½c. per pound, tankcars.

Copra—Shipments were firmer and raised to $230 per ton, c.i.f. Pacific coast, up $10 per ton. Trading was quiet.

Corn—Crude was slightly easier, with light trading at 13⅝c. per pound, tankcars, f.o.b. mills. Refined oil was lower at 17c. per pound, tankcars, New York delivery.

Cottonseed—While trading in bleachable cottonseed futures was light last week, the market developed a steadier tone due to the firmness of soybeans, which stiffened edible oils. Prices fluctuation were narrow, with the market scoring slight advances. Trade buyers continued to support March and May and took moderate quantities. Demand for refined oil was more active and prices were steady with crude. Refined oil was quoted at 18c. per pound, tankcars, New York. Tenders of new crop crude oil to the government continued to increase and estimates placed the total at 7,050 tankcars, plus 2,200 tankcars of old crop oil. Trading in crude oil was light, with offerings scarce. Prices were nominal at 14c. per pound, tankcars, f.o.b. mills, Southeast and Valley and 13¾c., Texas.

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the period ended Jan. 15 follow:—

	Sales	Cents per pound—High	Low	Close
March	233	16.72	16.20	16.65
May	244	16.30	15.96	16.32
July	129	16.10	15.76	16.06@16.10

Total sales, 606 contracts.

Memphis.—Crude cottonseed oil held at 14c. per pound, tankcars, f.o.b. mills and crude soybean oil at 12⅝c. Trading light. Market steady. Improved domestic demand for cottonseed and soybean meals. Prices several dollars higher than week ago, but still below ceilings.

Linseed—Firmness of flaxseed stiffened linseed oil and sellers was not disposed to shade asking prices ½c. per pound as during the previous week, but pegged raw oil at 14.5c. per pound, tankcars, f.o.b. mills and 15.75c., tankcars, New York, for prompt and forward delivery, which was 2/10c. less than recent open quotations. Recently light sales were reported at 14.2c., Minneapolis. Buying interest was still slow, but consumers continued to take moderate quantities of oil against former contracts.

Minneapolis.—There was no feature to the linseed oil market last week, crushers reported. Only the usual replacement sales were being made to fill out requirements; otherwise, business was near a standstill. Official tankcar basis held at 14.7c. a pound, f.o.b., Minneapolis, but when it came to actual consummation of sales, trade talk was that sales were being made at as much as 1c. lower. The open schedule for warehouse pricing was at 14.9c. a pound, Minneapolis. Shipping directions varied, being slow with some plants and better with others.

Shipments of linseed oil, in pounds, were as follows:—

	1952-53	1951-52
Past week	7,020,000	9,060,000
Since Sept. 1	152,780,000	152,760,000

Flaxseed—Trading light. Market closed firmer.

Minneapolis.—Flaxseed prices continued to rule weak in sympathy with the Winnipeg market, but closed steadier. Cash seed sold in range of $4.02 to $4.05 a bushel, delivered Minneapolis price. Offerings improved slightly, but most of these came from terminals rather than from country points. Processors and merchandisers bought about 35 cars and 20,000 bushels of flaxseed in trucklots in the spot cash market. On a to-arrive basis they booked six cars and in excess of 67,000 bushels in trucklots. Arrivals of flaxseed in the Minneapolis market last week (spot, against to-arrive bookings and for CCC account) amounted to 156 cars, compared to 80 cars the preceding week and 174 cars in the same week last year. Shipments totaled 39 cars as against 15 cars the previous week and 38 cars a year ago.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts 1952-53	Receipts 1951-52	Shipments 1952-53	Shipments 1951-52
Past week	265,200	357,000	66,300	81,600
Since Sept. 1	11,336,300	16,748,700	1,696,950	2,645,400

Oiticica—This market inactive and featureless. Prices were unchanged and more or nominal at 25c. to 25½c. per pound, tankcars, New York delivery. Drums were unchanged at 26½c. to 27c. per pound, depending upon quantity.

Olive—Suspension of export licenses for olive oil by the Spanish government strengthened the spot situation. Sellers withdrew offerings and restricted sales to regular customers only. Prices were firmer and nominal at $2.40 to $2.50 per gallon, drums, spot, duty paid, depending upon seller and buyer. Olive foots were quiet and unchanged at 15c. to 15½c. per pound, drums, spot as to quantity.

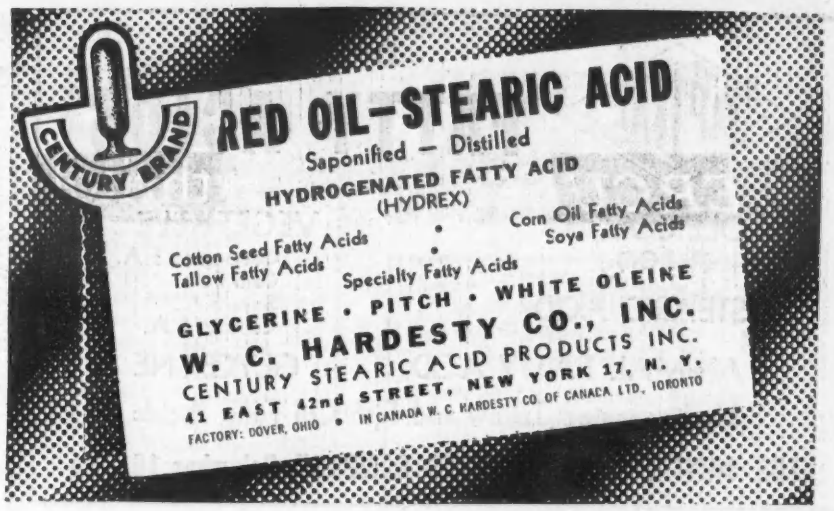
Palm Kernel—Higher cost of coconut oil was reflected in this oil and quotations were lifted to 15c. for tankcars, in bond.

Peanut—Crude oil continued easy and quoted down to 22¾c. per pound, tankcars, f.o.b. mills. Offerings were light, but buying interest also lagged. Refined oil was lower at 27c. per pound, tankcars, New York basis.

Rapeseed—This market was steady and unchanged at 16½c. per pound, tankcars, New York delivery. Trading has been active of late.

Soybean—Market was easy early, but turned stronger with higher soybeans, Crude oil was sold at 12⅝c. per pound, tankcars, f.o.b. mills, January shipment. February was quoted at 12½c.; March, 12⅜; April-June, 12¼c. and July-September, 12⅛c., same basis. Refined was un-

For Late Market Developments, See Page 4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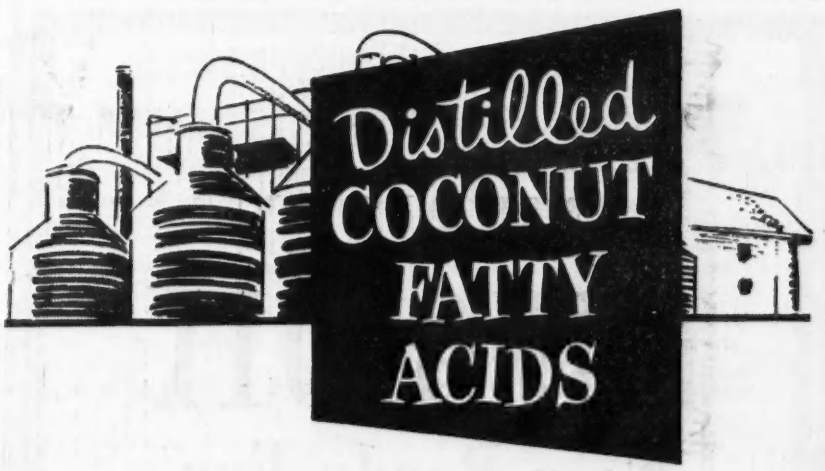

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changed and steady at 15½c. per pound, tankcars, New York delivery.

Sales and prices of prime crude soybean oil futures on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the period ended Jan. 15 follow:—

	Sales	Cents per pound—High	Low	Close
March	17	12.38	12.00	12.38
May	51	12.21	11.85	12.21
July	25	12.06	11.78	12.06@12.10

Total sales, 93 contracts.

Tung—This market continued weak and prices were off sharply. Trading was light on a scale downward. Sales were reported at 30c. per pound, tankcars, New York, with 30¼c. generally asked. Domestic oil also was lower and held at 28¼c. per pound tankcars, f.o.b. mills for prompt delivery. Drums ranged from 31¾c. to 32½c. per pound, spot New York depending upon quantity.

Fats and Greases

Greases — Slackened export inquiry weakend the tone of the market. Prices were off ⅛c. for yellow and house grease, while choice white and brown were unchanged bnt unsteady. Domestic demand was inactive. Choice was quoted at 5¼c. per pound, tankcars, delivered; yellow, 4⅛c.; house, 4c. and brown, 3⅝c., same basis.

Lard — This market was quiet, but steady. Cash lard was nominal at 9.525c. per pound, tierces, delivered. Lard stocks in the United States, January 1, totaled 117,682,000 pounds, compared with 85,925,000 pounds, December 1 and 52,714,000 pounds, January 1, 1952. The January 5-year average is 35,429,000 pounds.

Tallow—Domestic and export inquiry was quiet and the tone of the market was easier. Inedible grades were off ⅛c. and edible ½c. per pound. Soapers took moderate quantities at the decline. Edible was quoted at 6½c. per pound, tankcars, delivered; fancy, 5⅛c; extra, 4⅞c; special, 4½c. and No. 1, 4⅜c., same basis.

Animal Oils

..Further weakness developed in oleo oil and oleo stearine and prices dropped ½c. per pound. Buying interest lagged with offers liberal. Oleo oil was quoted at 11c. to 11½c. per pound, drums, and stearine at 7c. to 7¼c. per pound, tierces, New York delivery. Industrial grades were in limited demand. Quotations were without change.

Fish Oils

Refined Fish—Light trading was reported at unchanged quotations. Light pressed oil was quoted at 11c. per pound and alkali refined at 12c. per pound, tankcars, New York delivery. Trading in crude menhaden oil was quiet. Quotations were unchanged at 7½c. per pound, tankcars, Baltimore, and 6½c. Gulf ports.

Production of crude menhaden oil in October amounted to 881,585 gallons, bringing the total up to 11,301,040 gallons for the ten months ending with October. This compared with 12,232,180 gallons for the ten month period in 1951. Sardine oil production was indicated at 11,850 gallons in October, against 1,034,700 gallons for the same month in 1951. Total production amounted to 14,976 gallons for the ten months ending October, against 1,691,560 gallons during the same time in 1951.

Cake and Meal

Cottonseed Meal—Mills continued to ask ceiling price except in a few isolated instances, although resellers still seem to have enough volume to take care of the limited demand at prices ranging as low as $5 under the ceilings. The break in soybean meal caused quite a few feed manufacturers to resell their cottonseed meal at a loss and replace with cheaper soybean meal.

Linseed Meal—Market easier, off $2 per ton. Demand confined to prompt requirements.

Minneapolis.—An easier tone prevailed in linseed meal, especially on solvent meal grading 38 percent protein. One processor was said to be offering this type of meal about $2 a ton under the ceiling of $82, bulk, Minneapolis. Expeller meal was quoted at the ceiling but felt weakness, also, as a result of the cheaper solvent meal being offered.

Shipments of linseed meal, in pounds, were as follows:—

	1952-53	1951-52
Past week	13,180,000	9,840,000
Since Sept. 1	275,180,000	266,820,000

Peanut Feed—Old process peanut feed forty-five percent was quoted at $83.50 per ton in the Southeast for the limited tonnage, but trading was restricted to small local trade. A small volume of solvent peanut feed was offered $82 to $84 per ton, South Alabama mills.

Soybean Meal—A few feed manufacturers were in the market for nearby shipment, but February forward shipments received little attention. January-February-March shipment was firmer at $69 per ton bulk f.o.b. mills. Trading was light. Meal forty-four percent moved fairly well at $70 per ton basis mill points, in the Mississippi Valley, January shipment. Feed manufacturers were slow to cover more than their actual requirements, waiting to see how the market will develop, since there seems to be a good supply available.

Margarine Output: Nov.

Margarin production totaled 105,480,000 pounds in November, compared with 123,403,000 pounds in October, according to the Census Bureau.

Production and Producers' Shipments and Stocks of Oleomargarine

	Uncolored	Colored
	November	
Stocks, beginning of mo.[1]	2,030,000	15,523,000
Production	8,132,000	97,348,000
Shipments	8,024,000	99,938,000
Stocks, end of month[1]	2,138,000	13,933,000
Production by type of package[2]		
One pound		
Regular (Elgin, Western, etc.)	3,139,000	94,442,000
Bags (plastic)	1,580,000	.....
Bulk		
Pats or chips	.....	1,111,000
Over one pound (excluding pats and chips)	3,413,000	1,788,000

[1] Stocks held at production plants only. Total factory and warehouse stocks at the beginning and end of November were 23,362,000 pounds and 21,694,000 pounds respectively.

[2] The sum of these items does not agree with production shown above because some oleomargarine is not packaged during the same month in which it is produced.

Production of Oleomargarine: Monthly and Annual Totals

	Uncolored	Colored
1952—11 mos. (Jan.-Nov.)	120,626,000	1,034,053,000
1951—11 mos. (Jan.-Nov.)	197,835,000	742,266,000
1951 annual production	211,104,000	825,237,000
1950 annual production	437,402,000	499,643,000
1949 annual production	684,516,000	177,246,000

Waxes

Beeswax—Crude was firmer for shipment and stocks on spot were raised 1c. to 2c. per pound. African was quoted at 48c. to 50c. per pound, spot as to quantity. This strengthened refined grades, though quotations were unchanged.

Carnauba—Active trading for dealers and consumers account further reduced stocks on spot and prices were higher for crude and refined grades. North country, No. 3, crude was boosted 5c. to $1.03 to $1.04 per pound spot as to quantity, with sales thereat. Offerings for spot delivery were scarce and for shipment from Brazil. Stocks on spot of Brazilian owned wax also were withdrawn. No. 3, refined was lifted to $1.06 to $1.08 per pound and No. 1 Ceara yellow to $1.30 to $1.32 per pound, depending upon quantity. No. 1 Paranahyba was unavailable.

Ouricury—The market was firmer, reflecting the strength of carnauba. Refined was advanced to 73c. to 75c. per pound, spot, as to quantity.

Food Machinery Reports Resignation of Campbell

The Food Machinery & Chemical Corporation has announced the resignation of William L. Campbell, vice-president and former co-manager of the company's ordnance division at San Jose, Calif.

Mr. Campbell joined Food Machinery in 1951 at the beginning of FMC's current defense production program. A year later he was loaned to the government as special assistant for production in the Office of Defense Mobilization. Prior to his association with FMC, Mr. Campbell was head of the food technology department of the Massachuetts Institute of Technology.

Gen'l Mills Appoints Lynch

A. J. Lynch & Co., Los Angeles, has been appointed sales representative for the chemical division of General Mills, Inc., Minneapolis, Minn., it has been announced by Sewall D. Andrews, jr., general manager of the division. The Lynch firm will handle sale of General Mills soybean oil, fatty acids and nitrile amine derivatives in the southern California territory.

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1—Quadruple Effect Evaporator, calandria type, brass tubes, 14,000 sq. ft. H.S.; excellent condition; still erected; complete with piping, etc.

1—6' x 14' Hardinge Rotary Counter Current Classifier, also for dewatering or scrubbing.

1—Davenport #3A Dewaterer.

1—Mechanical Cooker, 5' x 16'.

1—42" Stainless Steel A.T. & M. Co. Centrifugal, 40 H.P. motor.

1—Lee 300 gal. S/S jacketed kettle.

1—Ross #30 Mammouth 50 gal. change can mixer, m.d.; 1—Day 40 gal., m.d.

3—Laboratory Roller Mills, 5"x12", 6"x14".

3—Stokes Model T-5, single punch Tablet Machine, max. 1½".

1—2000 gal. rubber-lined horiz. Tank.

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1—4'6" x 35' Calciner, made by Ruggles-Coles Co., complete.

2—6' x 60' Vulcan Iron Works, complete; each with or without 3' x 50' Rotary Cooler. By installing lifting flights these Kilns would make excellent heavy duty dryers.

1—7'6" x 125'; 1—8' x 135' Allis Chalmers.

4—Ruggles-Coles Direct Heat Rotary Dryers—Class XF4—54" x 25', one Class XF 5' x 40'. Also L-B 2'7" x 10' Roto Louvre; three 3' x 50'; 5' x 30'; 5' x 50'; 6' x 40'; 6' x 60'; 7' x 70'. 1—8' x 54', Struthers Wells, with Timken roller bearing supports, L-B gear reducer, 40 HP motor, furnace, Coen burner, etc.

4—6' x 50' Louisville Rotary Steam Tube Dryers.

FILTERS: 2—#12 Sweetland Filters for 36 leaves on 4" c/c.

MISCELLANEOUS: 8—Pebble Mills, porcelain-lined, 5' dia. x 4'; 1—5' x 6'; 6' x 8', 800 gals. each.

5—Devine #28 Vacuum Shelf Dryers, each 20 shelves 59" x 78", each with condenser & pump.

8—Shriver 42" x 42", Cast Iron Filter Presses, Plate and Frame, 18, 27, 36, 54 chambers, 1" cake.

15—Sperry 18" x 18", Cast Iron, Plate and Frame, Filter Presses, closed delivery, 11 chambers.

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2—500 gal. Steel jack., agit. Reactors.

3—Oliver Vacuum Filters, incl. 8 x 12', 11'6" x 14', 11'6"x18'.

1—4'6" x 7' A. C. Ball Mill, iron lined.

1—Aluminum Sperry Filter Press, 30" x 30", 45 chambers, 1" cake.

1—Shriver 30" x 30", jacketed, cast iron, Filter Press, 20 chambers, 1".

1—20 gal. S. P. jacketed Mixer, double sigma blades, m.d.

2—Day size 82 Roball Sifters, m.d., 40"x120" screens.

2—Glen 340 qt. Mixers.

1—Day D10, 1250# Dry Mixer.

1—Patterson S/S 110 gal. Vacuum Sigma Bladed Mixer.

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6—J. H. Day, type B, 14" x 30", 3 roll High Speed Roller Mills, roller bearings, water-cooled, chain drive.

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2—1,400 gal., 1,000 gal., closed, stainless steel jacketed kettles.

1—1,600 gal. closed, stainless steel Storage Tank.

2—Oliver 8'x10' Monel Rotary Vacuum Filters.

2—Oliver 5'3"x3' Enclosed Precoat Filters.

1—Bird 36"x50" solid bowl Continuous Centrifuge, SS, 40 HP.

1—Fletcher 48" Suspended Centrifugal, aluminum perforated basket, motor driven.

1—AT&M 42" Suspended Centrifugal 347 stainless, bottom discharge, motor driven.

2—Tolhurst 32", 26" Suspended Centrifugals, Monel perforated baskets, motor driven.

3—Buflovak 6' diameter Atmospheric and Vacuum Crystallizers.

2—Devine #27 Double Door Vacuum Shelf Dryers, 17-59"x78" shelves.

4—Devine single door Vacuum Shelf Dryers 20 and 6-40"x43" shelves.

2—Stokes 30"x8', 3'x15' Rotary Vacuum Dryers.

1—Link Belt Monel 2'7"x8' Roto-Louvre Dryer.

1—Vulcan 4½'x50' Rotary Dryer, ⅜" shell.

1—Albright Nell 60"x80" Single Drum Dryer or Flaker.

1—Hardinge 4½'x16" Conical Steel Lined Ball Mill.

4—Oliver 3'x1', 4'x5', 8'x12', 11'6"x18' Rotary Vacuum Filters.

3—#7 Sweetland Filters with 27 leaves on 3" centers.

4—Shriver 30"x30" C.I. Filter Presses, P&F, 30 chambers, open delivery, washing.

4—Sperry 24"x24" C.I. Filter Presses, P&F, 16 chambers, closed delivery.

1—Sperry 24"x24" Aluminum Filter Press, P&F, 22 chambers, open delivery.

4—Groen 150, 125 gal. SS, jacketed, agitated Kettles.

1—Blickman 25 gal. SS jacketed Still with refulux condenser.

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1—5'x15' Rotary Kiln, oil fired.

1—Jeffrey 5'x9' Monel Indirect Vibrating Hot Air Dryer.

2—Pfaudler 100 gal. glass-lined Stills with glass-lined Condensers and Receivers.

2—Sharples P-16 Monel pressuretite Centrifuges.

1—Tubular Heat Exchanger, SS, 225 sq. ft.

1—Bird 18"x28" steel, solid bowl, Continuous Filter.

2—Baker Perkins 100, 50 gal. double arm, jacketed Mixers, Sigma Blades.

1—American Gas Furnace 7" dia. x 30" long, nichrome tube.

1—Steel Tank 10'x30', welded ASME, 50# pressure.

2—Raymond 4 roll, high side Mills.

1—#12 Sweetland Filter with 36 steel leaves, 4" centers.

1—Robinson 40"x104" Triple Deck Sifter.

1—Vertical Steel Storage Tank 30'x26', 135,000 gals.

1—Link Belt Roto-Louvre Dryer 3'10"x16" Stainless Steel. New.

1—Mikro Pulverizer #2TH Stainless Steel, 15 HP motor.

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Baker Perkins 150 gal. Unidor S. J. Double Arm Mixer.

Baker Perkins BB, W. & P. Readco Heavy Duty 50, 100, 150 gal. Double Arm Mixer.

F. J. Stokes, J. H. Day, New Era, Hottman Mixers from 2 to 450 gal., with and without Jackets, Single and Double Arm.

Day 650 gal. S. J. Jumbo Mixer.

Robinson 100, 800, 1500, 4000 lbs. Dry Powder Mixers.

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Stokes and Smith G1, G2, G6 Auger Powder Fillers.

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1—Link-Belt Roto-Louvre Dryer, #207-10 (2'7" dia. x 10' l) —stainless steel contact parts complete with belt feeder, fans, furnace, controls, etc.
1—450 gal. Stainless Steel Jacketed Agitated Kettle.
1—250. gal. Aluminum Jacketed Agitated Kettle.
1—1,500 gal. Steel Jacketed Vacuum Kettle.
1—Acme #8½A Jaw Crusher, 9 x 16 opening; 20 HP motor.
1—1,000 gal. Stainless Steel Tank, T316, vertical, closed.
12—Vertical Agitators—40 HP Horizontal gearmotor 3/60/220-440/1750-350 RPM with Turbo #5B (5:1 ratio) vertical drive, steel shaft and turbine impeller.
1—400 cu. ft. Stainless Steel Bin or Hopper, Type 316, ¼" thick, welded and reinforced, 6'9" x 6'9" x 3'8" high on straight side—10' O.A. Ht.

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Manufacturing and packaging equipment of Chemical Manufacturing and Distributing Co., Easton, Pa. Equipment priced to sell:

1—500 gal. Pfaudler Kettle.
3—Powder Mixers — 2000#, 1,000#, 800#.
1—Viking Rotary Pump, 3".
1—Mikro Pulverizer #1-SI.
1—Lightnin Agitator—3 HP—431 RPM.
3—12,000 gal. Steel Tanks.
2—7,500 gal. Steel Tanks.
1—1,000 gal. Stainless Clad Rectang. Tank.
Lot Pumps, Tanks, Kettles.

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We have just purchased for liquidation, the equipment of the Patrick Henry Brewery, Marion, Indiana. We can offer excellent bargains in grain handling equipment, filters, ammonia compressors, cookers, pumps, conveyors, office and machine shop equipment, etc. Also 600,000 gallons total capacity welded steel tanks from 3,500 gal. to 12,500 gal. sizes.

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40—Stainless Steel Tanks—30, 60, 100, 150, 200, 300, 500, 1,000, 3,000, 4,200, 5,700, 16,200 gal.
35—Aluminum Tanks, closed, 4, 275, 330, 480, 500, 1,350, 1,450 and 9,000 gal.
50—Stainless Steel and Stainless Clad Steam Jacketed Kettles—10, 40, 60, 80, 100, 150, 200, 500 gal.
1—6-gal. Nickel autoclave, 1,500# T.P., agitated.
1—2½ gal. Stainless Steel Reactor Tank with agitator.
4—Aluminum Reaction Kettles, Jkt'd. and Agit., 35, 60, 100 and 250 gal.
1—300 gal. Stainless Steel Vacuum Still, T316, direct fired.
1—Stainless Steel T316 Packed Column, 2' dia. x 6'8" H.
6—Stainless Steel Heat Exchangers, 400, 338, 40 & 8½ sq. ft.
1—Ball & Jewell #1½ Rotary Cutter, stainless steel.
3—Mikro Pulverizers #1-SH, #2-SI, #2-TH.
2—Bird 48" dia. Suspended Centrifugals Stainless Steel Perforated Basket, Plow, Bottom Discharge, 15 H. P. motor.
1—Fletcher 30" Jr. Centrifugal T304 S.S., solid basket.
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289-10th ST., BKLYN 15, N. Y.

SPECIAL
Vallez Filter 41 Stainless covered 44½" dia. leaves.

DRYERS AND KILNS

Devine #12 Vac. Shelf Dryer, 40"x42".
2—Allbr. Nell 4'x9 Atmos. Drum Dryers.
1—Proctor & Schwartz 6 fan automatic 3 apron Conveyor Dryer.
1—Buffalo Vac. Drum Dryer, 24"x20".
Gehnrich Gas Fired Dryer, 12 trays, 21"x32"
6—Steam, gas & elect. Dryers.
8—Rotary Dryers. Direct & Indirect. Also Jacketed & Steam Tube.
New Rotary Dryers, Kilns and Coolers

CENTRIFUGALS AND CENTRIFUGES

6—Tolhurst 40" Suspended Type Centrifugals. Bottom Discharge.
8—Centrifugals, 20", 26", 30", 40" & 48", Steel, Copper, Stainless & Rubber.
11—Sharples No. 5A Stainless Centrifuges, 2 HP. Also No. 6.
2—De Laval Multi Clarifiers. 300 & 301.

FILTERS

1—Vallez Filter #49 with 41 Stainless covered 44½" dia. leaves.
10—Sperry and Shriver, 12", 18", 24", 30", & 36" Iron Filter Presses.
Sweetland & Oliver Vac. Filters.

KETTLES AND TANKS

2—Pfaudler 500 gal. vert. Glass Lined Tanks.
Dopp 350 gal. agit. Jack. C. I. Vac. Kettle.
Devine 36" dia. Impregnating Unit; Jacketed. Liquor & Impregnating Kettle.
100 gal. Jack. Impregnating Kettle.
500 & 1,000 gal. closed Jack. Steel Kettles.
2300 gal. vert. agit. Jack. Steel Kettle.
8—Jack Kettles, 50 to 2500 gals.
1—250 gal. Lead lined Kettle.
Stainless, alum., Copper, Glass Lined, Lead Lined Kettles and Tanks.
New Stainless Tanks. 50 to 500 gals.
4—Steel welded horiz. Tanks, 10,000 & 5,000 gals.
Copper Varnish Kettles, 150 to 300 gals.

PULVERIZERS AND MILLS

2—Abbe Pebble Mills, 24"x33". Also Jar Mills.
#1 Raymond Autom. Pulverizer, 20 HP.
1#00 Raymond Mill 30 H.P., complete.
2—#0000 Raymond Mills.
Hammer Mills & Pulverizers, to 50 HP.
1—Sturtevant 42" Rock Emery Mill.
1—Robinson 22" B.B. Attrition Mill.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 8"x22", 9"x32", 12"x30", 16"x40".
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20, 4 Roll.
1—9"x24" 1 Pr. High Steel Roller Mill.
Houchin 18"x36" 4 Roll Granite Stone Mills.
2—U. S. & Premier 1½ H.P. Colloid Mills.

MIXERS, SIFTERS & SCREENS

Baker Perkins double arm Mixers, 100, 50, 9 gals. & 4½ gals. Also single arm Mixers
Century 40 & 80 qt. vert. 4 speed Mixer.
Tyler 3'x5' Vibratory 2 deck Screen.
Patterson 3½' dia. Stainless Conical Blender.
1—Master Drum type 1000# Blender.
10—Dry Powder Mixers. 50 to 2,000 lbs.
Day 15 gal. Pony Mixers.
15—Portable Elec. Mixers, ¼ to 2 HP.
6—Lead and Paste Mixers, 4o 150 gals.

MISC. AND SPECIALS

2—Buffalo 6' dia. Vac. crystallizers.
4—Stokes & Colton Rotary and Single Punch Tablet Machines, ¼ to 3".
4—French Oil 400 Ton Linseed & Cottonseed Hydr. Presses.
4—French Oil Motor Driven Expellers.
1—Stokes 2E Paste Filler.
3—Stokes and Day Powder Fillers. Filling Machines, liquid paste, powder.
Elgin Capper, ½ H.P. Motor driven.
2—Howe Mogul barrel and bag packers.
2—Revolving Pans, 30" & 36".
1—Gould 75 HP 2 stage centrif. Pump.
4—Stokes Vertical High Vac. Pumps.
2—Worth 12"x12"x12" Vac. Pumps.
6—Devine & Buffalo Vac. Pumps.
Soap Machinery for Toilet, Laundry, etc.
Centrif., Rotary, Duplex & Triplex Pumps.
Boilers—Gas, Oil & Coal Water Stills.

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STEIN EQUIP'T CO.
107 EIGHTH ST., BROOKLYN 15, N. Y.
STERLING 8-1944

FMC

REGISTER YOUR CLAIM To A Good REBUILT Machine

It Will Assay High Profit!

3315	Williams Ring Roll Mill, ring 10" diameter by 3" face.
3120	American Ring Roll Crusher, 30"x37" throat, 50 HP.
3484-A37	Rietz RD 18 Disintegrator Stainless Steel, 30 HP.
M10-185	Rietz RD18 Disintegrator, Stainless Steel, 50 HP.
3459	Ball & Jewell Rotary Cutter, Model 1-½, S.S., 40 HP.
3168-05	Stainless Steel Saw Tooth Crusher, 10"x11" with 2 HP.
3447	Sprout Waldron Saw Tooth Crushers, 16"x16" and 20"x25".
3227	Robinson Double Runner Attrition Mill, 25", two 10 HP motors.
M2-171	Sprout Waldron Double Runner Attrition Mill, 30", 2-30 HP.
M2-170	Bauer Double Runner Attrition Mill, 35", two 50 HP.
3427	Jay Bee Type A Hammer Mill, 15'x24" with 10 HP motor.
3293-No. 1	Raymond Imp. Mill, 9"x18", complete with accessories.
1001-N1	Williams Model NF Hammer Mill, 25"x14", requires 60 HP.
3429-A7	Williams Hammer Mill, 36"x18", requires 50-60 HP.
3429-A6	Williams No. 4 Hammer Mill, 10"x18", requires 65 HP.

FRED R. FIRSTENBERG, Pres.

FIRST MACHINERY CORP.
157 Hudson Street
New York 13, N. Y.

DuPont Appoints Flinn

The appointment of James J. Flinn as a salesman in the San Francisco pigments sales office has been announced by E. I. duPont de Nemours & Co., Wilmington, Del. Mr. Flinn succeeds James S. Martin, who has resigned.

NEW YEAR - OLD PRICES

1—Tolhurst 48" S.S. Center Slung Centrifuge.
2—Bird 48" S.S. Sus. Style Centrifuges.
1—Buflovak 6' Jack. & Vac. Crystallizer.
1—Devine 13 shelf Vac. Dryer, 40"x43".
1—Stokes 138 Vac. 6 Shelf Dryer, 24"x36".
1—Sweetland #12 Filter 72 Leaves.
3—Wood Plate & Frame Filter Presses, 18" & 24".
2—Sperry 36" Cast Iron Presses, Hyd. Closures.
4—Stainless Kettles with Agitators, 100 to 150 Gals.
1—Stainless Steel Kettle, 900 gals. with Ag.
3—Dopp C.I. Kettles, 60, 250 & 650 Gallons.
3—Stainless Jack. Kettles, 300 Gals. D.M. Ag.
4—Mikro Pulverizers—Bantam SH to 2 TH.
1—Rotex Screen, 40"x120", Motor Drive.
3—Alum. 27" & 36" Bubble Cap Columns.
2—Erie City 200 H.P. Economic Boilers, 150# W.P.
3—Horiz. Steel Tanks, to 20,000 Gals.

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The Machinery and Equipment Corp.
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FOR SALE

2—Motor Driven #2SI Mikro Pulverizers, Practically Brand New.
1—Baker-Perkins 100 Gal. S.S. Mixer, double-arm, sigma blades, motor driven.
1—Day #2 75 Gal. Brighton Mixer.
5—Pebble Mills, 40 to 500 Gal.
10—Pony Mixers, 8, 15, and 40 Gal.
1—Eppenbach Stainless Steel Homo Mixer with a 7½ hp Explosion-Proof Motor.
HIGH SPEED Roller Mills, 9"x24" to 16"x40".
3—8" Premier Colloid Mills, watercooled.

Specializing in Rebuilt Machinery

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EQUIPMENT for CHEMICAL AND ALLIED INDUSTRIES

1—Feinc Stainless Steel Rotary Vacuum Filter, 3' x 3'.

1—Swenson Walker Type 316 Stainless Steel Crystallizer, 4—10' Sections.
1—Alco Stainless Steel Heat Exchanger, 60 sq. ft.
3—Downington Stainless Steel Heat Exchangers, 45 & 500 sq. ft.
1—Struthers Wells Hastelloy B Heat Exchanger, 450 sq. ft. Unused.
1—Sparkler Monel Jacketed Filter, Model 33-S-28.
1—Sparkler Steel Jacketed Filter, Model 33-D-7.
1—Shriver Stainless Steel 24" x 24" Plate & Frame Filter Press, Closed Delivery, 10 Chambers.
2—Shriver Cast Iron 24" x 24" Plate & Frame Filter Presses, Closed Delivery, 23 Chambers.
4—Sperry Stainless Steel 12" x 12" Plate & Frame Filter Presses, Closed Delivery, 10 Chambers each.
1—Oliver Homogenous Lead-Lined Rotary Vacuum Filter, 8' x 8'.
1—Banbury Size B Mixer.

1—Bird 24" Monel Screen Centrifugal Filter.

1—Baker Perkins Stainless Steel Jacketed Dispersion Mixer, 100 gals.
2—Baker Perkins Size 4 Lab Mixers, Sigma Blades, Stainless & Steel Construction.
12—Simpson #0 Intensive Mixers. Unused.
1—J. H. Day Stainless Steel Jacketed Double Arm Mixer, Sigma Blades, 12 gals.
1—Readco Stainless Steel Jacketed Double Arm Mixer, Sigma Blades, 225 gals.
5—Baker Perkins Steel Jacketed Mixers, Sigma Blades, 225 gals. ea.
2—Turbo Steel Jacketed Mixers, 700 gals. ea.
1—Glascote Glass-Lined Jacketed Vacuum Reactor, 1600 gals. Unused.
1—Pfaudler Glass-Lined Jacketed Vacuum Reactor, 500 gals.
1—Pfaudler Glass-Lined Jacketed Kettle with Anchor Type Agitator, Motor & Drive, 150 gals.
1—Combustion Engineering Stainless Steel Jacketed Autoclave, 500 gals., 300 PSI.

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UNION, N. J. Est. 1886 Unionville 2-4900

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THIS IS NO TIME FOR INTERRUPTION
Stop DOWNTIME with "Stand-BY"
Economical REBUILT Equipment!

1030 C 102	Gedlis Birmingham Steel Sextuple Effect evaporater, complete with accessories; 38,-200 sq. ft. heating surface.
3274	Swenson Quadruple effect Long Tube Evaporator; vertical film type with 5 vapor heads.
3475	Zaremba Single Effect Cast Iron Evaporator with 130 sq. ft. copper tubes; 40"x10'3" overall.
2695	Devine Single Effect Calandria Type Evaporator; 28"x8'.
487	Zahm & Nagel Continuous evaporator or Concentrator; 2500 lbs. PH.
3557	Croll-Reynolds Vacuum Evaporator of MONEL; 30"x5' with Jet Evactor.
1300 McA	2 Struthers Wells Stainless Drum Dryers, 5'x10', complete with accessories.
3026	Buffalo Rotary Vacuum chrome plated drum Dryer; 5'x12' with accessories.
1100	Buffalo Rotary Vacuum Drum Dryer, bronze, 5'x12' with accessories.
1101	Devine Vacuum Drum Dryer, bronze, 52"x10'6".
3407 CI	Buflovac 20 Shelf Vacuum Chamber Dryer; 40"x44".
3166 DS	Louisville Monel Lined Rotary Dryer; 38"x16'.
3497	Hon. Steel Crystallizers, Jacketed; 21"x 24"x12'—5 H.P.

FRED R. FIRSTENBERG, Pres.

FIRST MACHINERY CORP.
157 Hudson Street
New York 13, N. Y.

Health Needs Group

—Continued from page 5

health services. For these reasons it may well be desirable at this time to devote our efforts to the establishment of a program which will give these states a chance to hear the major responsibility in bringing the cost of health services within the means of all our people."

Dr. Magnuson stressed the fact that the committee would be a temporary one and would not engage in any partisan controversies or advocate specific legislation embodying commission recommendations.

Wants Public Educated

"Our sole purpose is to educate the American public as to our findings," Dr. Magnuson said, "If, in the months to come, a group of citizens decides to form an organization to further the aims of our report, that is all well and good. But we feel that our function as former commissioners is to do everything in our power to bring the basic information contained in our studies to the attention of the American people. Then it is up to them to act on that information."

Dr. Magnuson said that a national forum on the report is to be conducted by the National Health Council during its thirty-third annual meeting in New York March 18 to 20. He said a number of former commissioners would appear at the three-day session to discuss the findings of the commission with representatives of the forty-two national organizations making up the council.

Reis Elected EOA President

—Continued from page 4

followed decline" and that there had been a "terrific over-supply of many items in our line." He added that, "The greed and the thirst of some overseas suppliers for the American dollar, irrespective of reasonable values, caused many distresses. Some thought that there was no limit to the quantity of oils that could be placed here, as evidenced by the tremendous over-production of the Formosan and Guatemalan citronella oils, East and West Indian lemongrass oil and others."

"There is a remedy to a situation of this kind," Mr. McGlynn stated, "and I take the opportunity in the closing hours of my administration to urge that consideration be given to the matter of dumping in this market with disastrous results."

ME USED EQUIPMENT
Priced Right — Write Now

2—Vulcan Kilns, 7'6"x110' 50 HP drive.
Oliver 8'x10' Precoat Filter.
2—Oliver 6'x8' Precoat Filters.
Lehman 3 Roll Mill, 60"x40" water cooled.
Stainless Louisville De-Watering Screen.
2—Rotex #11 Sifters. Single Deck 20"x48".
Monel Press or Vac. Tank, 5'8" dia. x 12'.
Sharples PY-14 Super-D-Canter, Stainless.
2—Stokes Model 212-B Vacuum Pumps.
Multicione Dust Coll. Size 25-B type 9-VD.
Swenson 4'x1' rotary Vacuum Filter.
Hardinge Tube Mill, 4'x10', Silex lined.
Buflovak 2-Effect Evaporator, 5' dia.
120 cu. ft. Double Ribbon Mixer.
Rotex Model 52 Screen, 2 deck, 60"x120".
Worthington 18"x9" Vacuum Pump.
Shriver 30" Filter Press, 29 plts-30 frms.
Sweetland #7 Filter, 41 leaves, 2" centers.
Rietz RD-18 Disintegrator, 50 HP motor.
Raymond 5 Roller high side Mill. Complete.
6'x12' S.S. Evaporator. Complete.
Capem Model SIF Single head Capper.
Proctor-Schwartz Apron Dryer, 8'x96'.
Elliott 8" 2 Stage Steam Ejector.
New Jersey Pony, Model 86 ML Labeler (4).
Fitzpatrick Model M Mill, Stainless, mtrzd.
10—Allis Chalmers 5'x22' Tube Mills. Line.
Hammermill 24" dia. 14" face. 40 HP.
Simpson #2—Style VD Muller, 20 HP.
Vulcan Model XL 1000 Gal. Reactor.
Pfaudler Model XL 1000 Gal. Reactor.
14' Gayco Mechanica Separator, 30 HP.

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Pebble Mills: 5 gal. to 250 gal.
Pulverizers: Micro SH, 15I, 2TH.
Vacuum Pans: 6' stain. steel, 5' copper.
Powder Mixer: Day, 66 cu. ft., jktd.
Clarifiers: Sharples Vaportite st. steel.
Centrifugals: 26" and 30" Tolhurst.
Mixer: Read dbl. arm, 380 gal., st. steel.
Disintegrator: Rietz 40 hp.
Clarifiers: De Laval 84-51, motor dr.
Filter: Oliver 3'x4', Everdur. con.
Vacuum Pumps: Nash AL-6 and H5.
Press: Davenport 3-A, Durimet con.
Mill: 12x24" Farrel-Birmingham, 25 hp.
Dryer: American 42x120" double drum.
Vacuum Pan: Stokes 25 gal st steel, jacktd.
Powder Mixers: 100 to 2,000 lbs.
Filter Presses: 7" to 24", Sperry, Shriver.
Colloid Mills: Premier, Charlotte—st. steel.
Tanks: 3,000 gal. vert. dairy gl. lined jktd.

LOEB EQUIPMENT SUPPLY CO.
1925 W. North Ave. Chicago 22, Ill.

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Liquidation

Adzoil Chemical Company

CHESTER, N. J.

1—Steam jacketed condenser, double pipe, 5 bends 6" pipe 12' long, 39.3 sq. ft. surface.
3—Ingersoll Rand iron centrifugal pumps.
1—Devine 6" x 6" vac. pump 50 CFM.
1—Westinghouse air compressor.
1—Shriver 24" filter press.
1—Brand new 2000 gal. steel open tank.
2—Steel single shell receivers, 100 gal.
1—DeLaval separator.
1—Steel Steam jacketed & agitated 200 gal. vessel.
1—15 HP Farquhar Steamaster Package Boiler.
1—Ingersoll Rand cast iron centrifugal pump per our So #1059.
1—New 89" dia. 1/42" thick reinforced heads.
1—New 3000 gal. steel horizontal tank.
1—New 100 gal. closed steel tank.
1—New 2000 gal. Standard underground fuel tank.
1—New 500 gal. closed steel water tank.
1—New small water softener.
1—Used Olivite pump rubber lined 2" with 2 HP motor.
2—New 5000 gal. welded steel horizontal tanks.
1—Closed top steel tank 7' x 9' 5/16" thick having 10 turns of 2" coil 24" turbine agitator with drive and motor.

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HARDINGE MILLS—7'x36", 8'x22".

KETTLES—Alum. 275 gal. Jacket/agit.

HAMMER MILLS—Wms. LGI, Reg. #1, GA30 w/motors.

PEBBLE MILLS—Lab, 30x33 to 6'x8',

SCREENS — Tyler 3x5 — w/1-2-3 deck. Selectro 18x48 double.

FILTER PRESSES—24", 30", 36", 42"—closed—washing—open to 72 leaf.

JAW CRUSHERS—8x14, 14x28, 24x36, 48x60.

SCREW CONVEYOR—14", NEW 50'.

COMPRESSORS—IR 7x6 w/mtr.

ROTARY KILNS—4'x30', 5'x40', 6'x80'.

BLOWERS/EXHAUSTERS to 60000 cfm.

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LAWLER PLACE, METUCHEN, N. J.
METUCHEN 6-0245

"HARD-TO-FIND" EQUIPMENT

AUTOCLAVE
2,000 gal., 200 PSI.

CENTRIFUGES
24" Bird, type CH, SS.
40" Fletcher, type 304 SS.
40" Tolhurst, perforated.

COLUMNS
24"x94"x1/8", rubber lined.
6'x29' type 347 SS, 21 trays.
8'x36'x⅜" (2—NEW).

CRYSTALLIZERS
12" Screw, jackt'd., w/cover (5).

DIGESTERS
3900 gal. jackt'd., agit., ASME 75 PSI.

DRYERS
Conveyor—24"x28' cc.
Drum—5'x6'.
Vacuum—Stokes Model 59AB.

FILTERS
12"x12" Aluminum, 10 chambers.
36"x36" Shriver, 36 chambers.
8'x10' & 11'6"x18', Oliver.
No. 7 Sweetland, 41 taps.

FLAKER
Blaw-Knox, 5'x6'.

KILNS—COOLERS—DRYERS
4'x35'x½" welded.
4'6"x40'x⅜" Traylor.
502-20 Roto-Louvre.
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5'6"x25'x9/16" Allis-Chalmers.
7'x60'x⅜".
7'x160'x⅜" (2).

(Many others in stock.
Send us your requirements.)

MILLS
6'x8' Ball, Abbe, style GPH (3).
2'x12' L. B. double shaft, Pug.
4-roll Raymond.

MIXERS
2190 cu. ft., Johnson, paddle type.
140 cu. ft., double shaft, Paddle.
77 cu. ft. Blystone, heavy duty.

PULVERIZERS
Williams #3 Hammermill.
Raymond #1, complete unit.

REACTORS
400 gal. Pfaudler, glass lined, ASME.
500 gal. Pfaudler, glass lined, ASME.
1000 gal. 54" OD x 10'6" OA, 300 PSI.

STILLS
600 gal. 57"x8' copper, shell 25 PSI, jacket 100 PSI.
1500 gal. 66"x10'x1" cast iron.

STORAGE TANKS
3400 gal. 7'4"10'x⅜" type 430 SS.
6000 gal. 8'x15'x⅜" vert. Aluminum.
6500 gal. TANK CAR TANKS.
8500 gal. 8'x23'x5/16" vert. (NEW).
12,000 gal. 8'x32'x¼" (NEW).
15,000 gal. 10'6"x23'x¼" (NEW).
135,000 gal. 30'x26' w/coils.
(We have facilities for building of new tanks. Send us your inquiries.)

PRESSURE VESSELS
1050 gal. 4'x12'x½" 106 PSI.
1200 gal. 42"x16'x5/16" ASME 125 PSI.
1250 gal. 4'x14' 106 PSI.
8200 gal. 8'x23'x2" 390 PSI (4).
9500 gal. 7'6"x28'x½" 125 PSI.
16,000 gal. 96"x45'x¾" ASME 150 PSI.
30,000 gal. 10'x47' ASME 50 PSI.

Phone or Write for complete descriptions, prints and prices Ask for our current catalog
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Mills: Lehman 5 roll water cooled 12x32.
Paint Mixers: O&T. Kestner & Hecht Day.
Paint Mills: Day. Lehman. etc., solid rolls
Pwdr. Mixers: ribbon, tumbler. 50 to 3000#.
Dough Mixers: sgl. or dbl arm, pl., jktd.
Fillers: powder, liquid, paste.
Kettles: stainless, steel—jktd. plain.
Labelers: spot. can—auto semi.
Baker Perkins Mixers, style VIH. jktd., tilting, 100 gal. working capacity

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#316 Stainless Steel Tanks, new, 100, 200 & 350 gal.
1—Stainless Tank #430 Chrome, vert., 7'x10' deep.
20—Jacketed Kettles—Stainless, Copper, Aluminum.
1—J. H. Day Steam Jacketed 50 gal. Sigma Blade Mixer.
1—Copper Evaporator, steam jacketed, 9'1"x3'9".
63—New Pressure Cookers, 18"x18" & 24"x28".
50—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 100 gpm.
1—Jeffrey Vibrating Conveyor 15' lg. 12" wide.
1—Buflovak Jacketed Impregnating Tank 42"x52".
1—4x8 Sturtevant Jaw Crusher.
1—Ribbon type Mixer, steam jacketed.
1—Model 16 Sharples Stainless Steel Centrifuge.
3—New Drum Rollers.
1—A. F. Bartlett Hog Mill & 7½ H.P. Motor.
1—Sweetland Filter No. 5—15 leaves.
3—Stainless Steel Jacketed Filters.
2—Plate & Frame Filters 25"—open del.
4—Tanks, 100,000 gals. each.
1—Shriver 18" Aluminum Filter 9-plates, 9-frames.
4—Stokes Rotary Tablet Machines RD4.
10—New Sharples Oil Purifiers.

SPECIAL:
Mead Mill #2 with 7½ H.P. totally enclosed motor & Draver Feeder—like new.
Davenport Rotary Steam Tube Dryer, 6' x 36', complete with drive—latest model.

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ALL CLASSIFIED ADVERTISEMENTS—$5.00, thirty-six words or less: 85c. for each additional six words or fraction.

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Water Purifier—2 column ion-exchange unit complete with resins. Dorco Type L-4, 25 gallons per hour. Never Used. Also 2 Ermold Semi-Automatic Labellers with attachments. OPD 714.

Chlorine Valves, 300 New ¾ inch and 1 inch, were installed in containers and removed. Never Used. Inquire Harbarger Liquid Fertilizer. R. G. Harbarger, Hindsboro, Illinois.

Stokes High Vacuum Pumps 212C, unused, water-cooled, 100 cfm; V-drive Satisfaction guaranteed Only a few left Price very reasonable, inspect American Sales Co., 198-11 Hollis Avenue, Hollis 12 N Y HOllis 8-2900.

EQUIPMENT WANTED

Wanted—Send us your list of surplus or idle machinery. Interested in large capacity dry & wet Mixers, Rotary and batch Dryers, Pulverizers, all kinds of Jacketed Kettles, Distilling apparatus, Filling and Packaging Units, Stainless steel and non-corrosive Tanks and Vessels. For 36 years we have been buying from single items to complete Plants—Consolidated Products Co., Inc., 13-18 Park Row, New York 38, N. Y.

1—25,000 gallon Storage Tank Clad or solid stainless steel—type 304 or 316—state condition and location. OPD 722.

Wanted—Several wood tanks new or used made of cypress or red wood, 10,000 gallons each or larger. Wanted—Stainless steel filter press closed delivery washing type having cake capacity of 12 cubic feet or larger. OPD 709.

Chemical Equipment wanted for defense plant work including autoclave centrifuges, dryers, filters, kettles, mixers, pulverizers and tanks. Also interested in set-up plants, now operating or idle. Give full particulars in first letter for consideration. OPD 698.

MATERIALS OFFERED

Cobalt blue glass jars 3 ounce cream capacity. Several hundred gross packed in original Maryland Glass Co. Service cartons. 58 mm blue screw caps to match. Substantial saving. OPD 715.

For Sale: Olive Oil Foots Below Market. Tank Car and Drums. OPD 717.

MATERIALS WANTED

Do not wait until conditions further limit prospects of disposing of top-heavy inventories; will purchase surplus unshipped commodities, all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 699.

Looking for manufacturer of Tannin Remover, General Formula 209. OPD 710.

POSITIONS OFFERED

Chemist: Position in development laboratory open for chemist with approximately three years or more experience in varnish formulating. All replies confidential. Location: Newark area of New Jersey. OPD 706.

Wanted—Organic chemist capable of full charge small intermediate and dye plant. Excellent proposition to right party. Crown Chemical Company Division, Ridgefield, New Jersey.

Wanted, Laboratory Control Chemist, some resin experience midnight to 8 A. M. Metropolitan area Brooklyn. Reply OPD 716.

Lacquer & enamel chemist—must be experienced in product control and evaluation. Newark, N. J., area. Write qualifications to OPD 718.

An unusual opportunity for a salesman with a machinery company specializing in Chemical and Process Industries. State full particulars in letter. OPD 720.

Buyer with minimum of five years' purchasing experience for home office of national manufacturing organization in Buffalo. Want man with chemical background or experience in with chemical background or experience in buying chemicals preferably for paint manufacturer. Age 28 to 35. Salary open. College degree in chemistry or chemical engineering required. Group insurance and retirement programs provided. Our employees know of this ad. All replies will be held in strict confidence. Please submit summary of training, experience, and salary presently earned to OPD 721.

Analytical Chemists. Excellent opportunity for analytical control chemists experienced in pharmaceutical procedures. Must have strong analytical backgrounds. Write giving full detail of education, experience, salary and other pertinent information. OPD 724.

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Mono- and Diglycerides

—Continued from page 3

ral occurrence of mono- and diglycerides in food fats, their formation during cooking and digestion, and the amount intentionally added to foods allows an aproximate estimation of the maximum quantities likely to be present in the diet from all sources," the report declares. "Although the data are admittedly fragmentary the quantitative estimation can be based on reasonable assumptions and is valid at least with respect to the order of magnitude.

"On the basis of present information, it is clear that monoglycerides occur in food fats at least to the extent of 0.5 percent and that diglycerides are present in aproximately the same proportion. As the per capita consumption of fat is approximately 100 grams per day, the resultant per capita consumption of mono- and diglycerides is aproximately one gram per day.

"Additional monoglycerides may also be expected to be present in the usual human diet resulting from their formation during baking and cooking of processed foods. It is estimated that an additional one to two grams per person per day may be consumed.

Appearance in Intestine

"Most important to these considerations, is the appearance of substantial quantities of mono- and diglycerides in the intestine during digestion. To date no exact data for fat digestion in man is available to indicate the extent to which the total ingested fat may be transformed to mono- and diglycerides. In studies with experimental animals, more than one-half of the ingested fat can be accounted for as mono- and diglycerides in the intestine. It is reasonable at this time to assume that as much as thirty to fifty grams of mono- and diglycerides per day may be formed during digestion of 100 grams of ingested fat.

"In contrast with these amounts of mono- and diglycerides that are naturally occurring in foods or in the intestine during digestion of fats, it appears that the maximum amount of mono- and diglycerides intentionally added to all foods cannot be expected to exceed aproximately two grams per day. This positive demonstration of relatively large amounts of naturally-occurring mono- and diglycerides obviates the necessity for an extensive program of toxicity testing such as is recommended in this committee's statement of basic principles. The additional amounts which may be intentionally added to foods are not large enough to raise the consumption to levels significantly higher than normal.

Interfacial Tension Unaltered

"The question has been raised as to whether or not the property of altering interfacial tension may alter important physiological processes. Evidence on the surface activity of mono- and diglycerides demonstrates that the additional amounts provided by their use as intentional additives in foods have no significant effect in altering interfacial tension in the intestines in the presence of the relatively large amounts of these and other natural surface active materials.

"The conclusions in this report apply to mono- and diglycerides of the fatty acids of recognized food fats and do not generally apply to materials such as monolaurin, and sulpho-acetate derivatives of mono- and diglycerides.

"The mono- and diglycerides are normal nutrients, equivalent to triglycerides and giving rise to identical products in digestion and metabolism. When the available facts are examined in the light of the statement of basic principles involved in evaluating safety in the use of chemical additives in foods (a report of the food protection committee, NRC, June 11, 1951), there is no evidence on which to question the safety of mono- and diglycerides as food additives."

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Congress to Get Bill

—Continued from page 3

age the making of contracts with the United States by requiring the inclusion of an escalator clause to provide adjustments for approved price and wage increases.

S. 441 by Sen. Hugh Butler of Nebraska, to prohibit the procurement by the Armed Forces of any article produced in, or imported from, Communist-controlled countries.

S. 461 by Sen. Hubert Humphrey of Minnesota, to amend the Public Health Service act to provide an emergency five-year program of grants and scholarships for post-graduate education in the field of public health.

S. J. Res. 13 by Sen. Spessard L. Holland of Florida and thirty-nine other senators, to confirm and establish the titles of the states to lands beneath navigable waters within state boundaries and to the natural resources within such lands and waters, and to provide for the use and control of said lands and resources.

S. J. Res. 18 by Sen. Estes Kefauver of Tennessee and seven others, to establish a commission to assist in making a proper and equitable settlement of the submerged lands problem.

H. R. 1375 by Rep. Frank T. Bow, of Ohio, to provide for the payment of certain unrecovered costs incurred by producers of strategic and critical minerals and metals for use in the prosecution of World War II.

H. R. 1431 by Rep. Richard M. Simpson, of Pennsylvania, to amend section 113 of the Internal Revenue Code with respect to the adjustment of the basis of property for depreciation, obsolescence, amortization, and depletion.

H. R. 1519 by Rep. George H. Bender of Ohio, for dissolution of the Reconstruction Finance Corporation and transfer of certain functions related to the national defense heretofore vested in the RFC.

H. R. 1533 by Rep. Isidore Dollinger of New York, to establish in the Department of Commerce a consumers' advisory bureau.

H. R. 1583 by Rep. Walt Horan of Washington, to provide for the regulation and control by farmers of their surplus agricultural commodities and to provide for establishment of farmer-elected control boards.

H. R. 1584, also by Mr. Horan, to authorize the Secretary of Commerce to provide for research and study, and, in cooperation with the states, to establish appropriate safeguards, with respect to weather modification operations.

H. R. 1601 by Rep. Albert Rains of Alabama, to authorize the construction and operation of facilities for experiments in underground gasification of coal and lignite, oil shale, and other carbonaceous deposits to promote the national defense and increase the energy and chemical resources of the nation.

H.R. 1720 by Rep. Abraham J. Moulter, of New York, to amend the fair labor standards act of 1938 with respect to the meaning of "outside salesmen."

H.R. 1727 by Rep. Kenneth A. Roberts of Alabama, to authorize the construction and operation of facilities for experiments in underground gasification of coal and lignite, oil shale and other carbonaceous deposits.

H. J. Res. 104 by Rep. George A. Dondero, of Michigan, for construction of the St. Lawrence Seaway in cooperation with Canada.

H. J. Res. 115 by Rep. James T. Patterson, of Connecticut, providing for continuation of the suspension of import taxes on copper.

H. J. Res. 123 by Rep. Ralph W. Gwinn of New York, proposing an amendment to the constitution of the United States relative to prohibiting the United States government from engaging in business in competition with its citizens.

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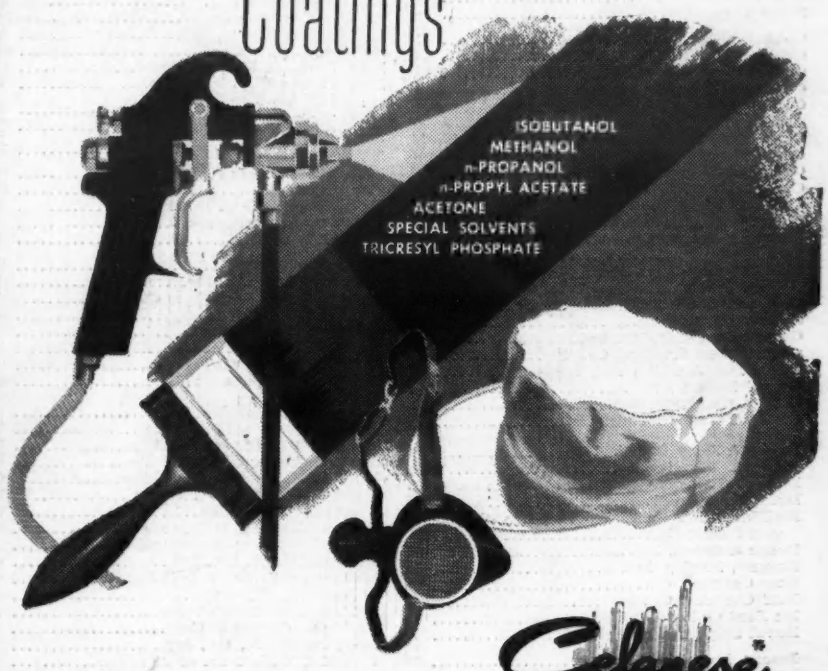

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